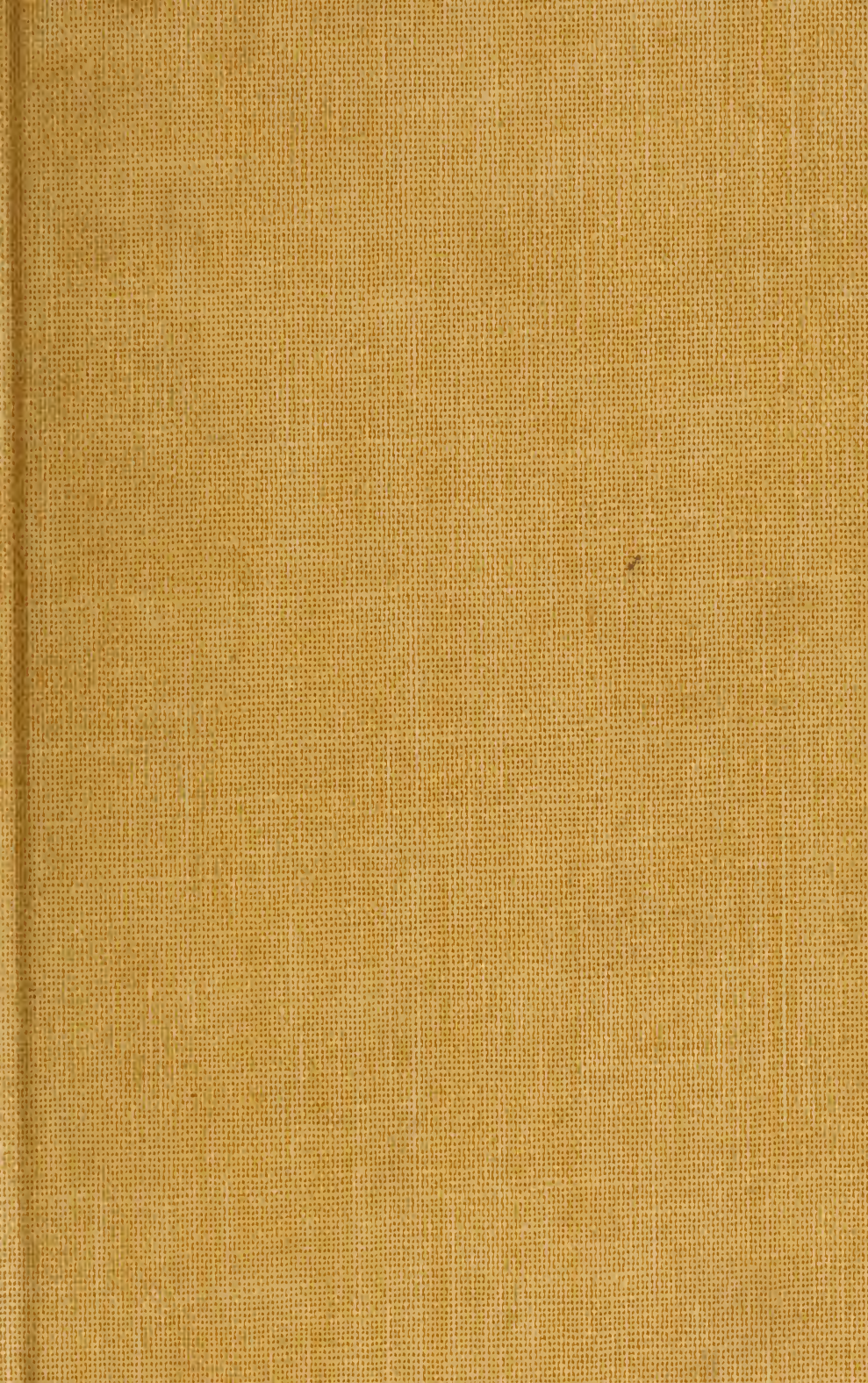






LIBRARY
OF THE
UNIVERSITY
OF ILLINOIS

C

A228H

1916/17-

1920/21



Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

<http://archive.org/details/collegeofliber2021alfr>

C
228H
16-17

UNIVERSITY PUBLICATIONS

EIGHTY-FIRST YEAR, No. 4

Alfred College Catalogue

1916--1917

EIGHTY-FIRST YEAR



ANNOUNCEMENTS

1917-1918

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-1866
JONATHAN ALLEN, PH. D., D. D., LL. D.	1866-1892
ALPHEUS BURDICK KENYON, SC. D. (Acting)	1892-1893
ARTHUR ELWIN MAIN, A. M., D. D., L. H. D.	1893-1895
BOOTHE COLWELL DAVIS, PH. D., D. D., LL. D.	1895-

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



ALFRE



RSITY

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

UNIVERSITY OF ILLINOIS LIBRARY

FEB 15 1917

Alfred College Catalogue

1916-1917

AND

Announcements

1917-1918



1917

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...

Jan.

Feb.

Mar.

Apr.

May

June

1917

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...

July

Aug.

Sept.

Oct.

Nov.

Dec.

College Calendar

First Semester 1916--1917

Registration, Entrance Examinations	Wednesday	1916 Sept. 20
Instruction begins	Thursday	Sept. 21
Election Day	Tuesday	Nov. 7
Thanksgiving Recess begins	Wednesday noon	Nov. 29
THANKSGIVING RECESS		
Instruction resumed	Monday morning	Dec. 4
Founders' Day	Tuesday	Dec. 5
Holiday Recess begins	Wednesday evening	Dec. 20
HOLIDAY RECESS		
Instruction resumed	Wednesday morning	1917 Jan. 3
Midyear Examinations begin	Monday	Jan. 22
Examinations end, Semester ends	Friday	Jan. 26

Second Semester 1916--1917

Registration	Monday morning	Jan. 29
Spring Recess begins	Tuesday evening	Mar. 27
SPRING RECESS		
Instruction resumed	Wednesday morning	Apr. 11
Final Examinations begin	Friday	May 25
Examinations end	Friday	June 1
EIGHTY-FIRST ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 2
Annual Concert	Saturday evening	June 2
Baccalaureate Sermon	Sunday evening	June 3
Commencement Play	Monday evening	June 4
Annual meeting of Trustees	Tuesday morning	June 5
Annual meeting of Stockholders	Tuesday afternoon	June 5
Class-day Exercises	Tuesday afternoon	June 5
Lyceum Reunions	Tuesday evening	June 5
Class breakfasts and reunions	Wednesday morning	June 6
Alumni Association, Directors' meeting	Wednesday morning	June 6
Alumni Association, Public Session	Wednesday afternoon	June 6
Alumni Banquet	Wednesday evening	June 6
Commencement Exercises	Thursday morning	June 7
President's Reception	Thursday evening	June 7
SUMMER VACATION		

First Semester 1917--1918

		1917
Entrance Examination	Tuesday	Sept. 18
Registration	Wednesday	Sept. 19
Instruction begins	Thursday	Sept. 20
Election Day	Tuesday	Nov. 6
Thanksgiving Recess begins	Wednesday noon	Nov. 28

THANKSGIVING RECESS

Instruction resumed	Monday morning	Dec. 3
Founders' Day	Wednesday	Dec. 5
Holiday Recess begins	Wednesday evening	Dec. 19

HOLIDAY RECESS

		1918
Instruction resumed	Wednesday morning	Jan. 2
Mid-year Examinations begin	Monday	Jan. 21
Examinations end, Semester ends	Friday	Jan. 25

Second Semester 1917--1918

Semester begins	Monday morning	Jan. 28
Spring Recess begins	Tuesday evening	Mar. 26

SPRING RECESS

Instruction resumed	Wednesday morning	April 10
Final Examinations begin	Friday	May 24
Examinations end	Friday	May 31

*EIGHTY-SECOND ANNIVERSARY

Annual Sermon before Christian Associations	Saturday morning	June 1
Commencement Play	Saturday evening	June 1
Baccalaureate Sermon	Sunday evening	June 2
Alumni Association, Directors' meeting	Monday afternoon	June 3
Annual Concert	Monday evening	June 3
Class breakfasts and reunions	Tuesday morning	June 4
Annual meeting of Trustees	Tuesday morning	June 4
Annual meeting of Stockholders	Tuesday afternoon	June 4
Alumni Association, Public Session	Tuesday afternoon	June 4
Alumni Banquet	Tuesday evening	June 4
Commencement Exercises	Wednesday morning	June 5
Class-day Exercises	Wednesday afternoon	June 5
President's Reception	Wednesday evening	June 5

SUMMER VACATION

*This order of exercises will probably be adopted, but at the time of the publication of the catalogue has not been officially approved.

Board of Trustees

Term expires in June 1917

Hon.	WILLIAM WALLACE BROWN, A. M., LL. D., '61,	Bradford, Pa.
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
Mrs.	WILLIAM C. BURDICK,	Alfred
Hon.	EDWARD W. HATCH, LL. D.,	New York City
Rev.	WILLIAM L. BURDICK, D. D., '90,	Alfred
	B. SHEFFIELD BASSETT	Alfred
	JOHN A. LAPP, Ph. B., LL. D., '06,	Indianapolis, Ind.
	EDGAR H. COTTRELL,	New York City
Hon.	FRANK SULLIVAN SMITH, LL. D.,	Angelica
	WILLIAM C. HUBBARD, M. S.,	Plainfield, N. J.

Term expires in June 1918

Hon.	DANIEL LEWIS, M. D., LL. D., '69,	Alfred
	IRA A. PLACE, A. B., LL. B.,	New York City
	JOHN J. MERRILL, Ph. M., '84,	Alfred
Hon.	LEONARD W. H. GIBBS, Ph. B., '98,	Buffalo
Hon.	WILLIAM M. STILLMAN, M. S., LL. B.,	Plainfield, N. J.
	VERNON A. BAGGS,	Alfred
	HOBART B. AYERS	Pittsburgh, Pa.
	HERBERT G. WHIPPLE, A. B., '87,	New York City
	ELIE E. FENNER	Alfred
	FRANK L. GREENE, A. M., Ped. D.,	Alfred
	C. LOOMIS ALLEN, Sc. D.,	Syracuse

Term expires in June 1919

Prof.	EDWIN H. LEWIS, Ph. D., LL. D., '87,	Chicago, Ill.
	JUDSON G. ROSEBUSH, A. M., '00,	Appleton, Wis.
	MARCUS L. CLAWSON, M. D., Ph. B., '90,	Plainfield, N. J.
Supt.	HENRY M. MAXSON, A. M., Ped. D.,	Plainfield, N. J.
Hon.	GEORGE L. BABCOCK,	Plainfield, N. J.
	CHARLES H. STANTON,	Westerly, R. I.
Pres.	BOOTHE COLWELL DAVIS, Ph. D., LL. D., '90,	Alfred
Hon.	WILLIAM J. TULLY, LL. D.,	New York City
	CURTIS F. RANDOLPH	Alfred
	WILLIAM R. CLARKE,	New York City
	CORLISS F. RANDOLPH, A. M., L. H. D., '88,	Newark, N. J.

Officers of the Board

VERNON A. BAGGS, President	Alfred
FRANK L. GREENE, Vice President	Alfred
CURTIS F. RANDOLPH, Treasurer	Alfred
D. SHERMAN BURDICK, Secretary	Alfred

Standing Committees of the Board

Executive

VERNON A. BAGGS, Chairman
D. SHERMAN BURDICK, Secretary

B. SHEFFIELD BASSETT	JOHN J. MERRILL
WILLIAM WALLACE BROWN	ELIE E. FENNER
BOOTHE COLWELL DAVIS	ORRA S. ROGERS
CURTIS F. RANDOLPH	HERBERT G. WHIPPLE
WILLIAM L. BURDICK	FRANK L. GREENE

Teaching Force

BOOTHE COLWELL DAVIS	DANIEL LEWIS	HENRY M. MAXSON
----------------------	--------------	-----------------

Buildings and Grounds

BOOTHE COLWELL DAVIS	VERNON A. BAGGS
JUDSON G. ROSEBUSH	GEORGE L. BABCOCK
JOHN J. MERRILL	

Supplies and Janitors

VERNON A. BAGGS	B. SHEFFIELD BASSETT	WILLIAM L. BURDICK
-----------------	----------------------	--------------------

Printing and Advertising

BOOTHE COLWELL DAVIS	FRANK L. GREENE	JOHN J. MERRILL
----------------------	-----------------	-----------------

Auditor and Attorney

HERBERT G. WHIPPLE

Investment

ORRA S. ROGERS, Chairman

C. LOOMIS ALLEN	WILLIAM J. TULLY	D. SHERMAN BURDICK
ELIE E. FENNER	WILLIAM R. CLARKE	WILLIAM C. HUBBARD

Finance

ORRA S. ROGERS, Chairman

BOOTHE C. DAVIS	DANIEL LEWIS	IRA A. PLACE
WILLIAM M. STILLMAN	CHARLES H. STANTON	C. LOOMIS ALLEN
WILLIAM J. TULLY	EDGAR H. COTTRELL	WILLIAM R. CLARKE
EDWARD W. HATCH	WILLIAM WALLACE BROWN	JUDSON G. ROSEBUSH
LEONARD W. H. GIBBS	GEORGE L. BABCOCK	EDWIN H. LEWIS
JOHN A. LAPP	WILLIAM C. HUBBARD	D. SHERMAN BURDICK
	CURTIS F. RANDOLPH	

*Charles Potter Professorship of History and Political Science,
Library Fund*

BOOTHE C. DAVIS

CORTEZ R. CLAWSON

J. NELSON NORWOOD

*George B. Rogers Professorship of Industrial Mechanics, Mechanical
Library and Apparatus Fund*

FRANK L. GREENE

LINTON B. CRANDALL

WILLIAM L. BURDICK

Library Director Representing the Board of Trustees

CORLISS F. RANDOLPH

Ladies' Auxiliary Committee

Mrs. JOHN J. MERRILL, Chairman

Miss SELINDA I. GREENE

Mrs. BOOTHE C. DAVIS

Mrs. SILAS C. BURDICK

Mrs. WILLIAM C. BURDICK

Mrs. CHARLES STILLMAN

Mrs. FRANK L. GREENE

Mrs. VERNON A. BAGGE

Library Directors

BOOTHE COLWELL DAVIS, President (*ex-officio*)

CORTEZ R. CLAWSON, Librarian (*ex-officio*)

J. NELSON NORWOOD, Chas. Potter Professor (*ex-officio*)

CORLISS F. RANDOLPH, representing Trustees

ALPHEUS B. KENYON

"

Faculty

HERBERT G. WHIPPLE

"

Alumni

Officers of Instruction

BOOTHE COLWELL DAVIS, Ph. D., D. D., LL. D., President
Professor of Ethics

ALPHEUS B. KENYON, Sc. D., Dean
Rhode Island Professor of Mathematics

WILLIAM CALVIN WHITFORD, A. M., D. D.
Professor of Biblical Languages and Literature

PAUL E. TITSWORTH, Ph. D.
Professor of Modern Languages

CORTEZ R. CLAWSON, Litt. B., A. M., Librarian
Professor of Library Economy

JAMES D. BENNEHOFF, S. M.
Professor of Biology and Geology

LINTON B. CRANDALL, S. B.
George B. Rogers Professor of Industrial Mechanics

J. NELSON NORWOOD, A. M., Ph. D.
Charles Potter Professor of History and Political Science

MABEL I. HART, A. M.
Wm. C. and Ida F. Kenyon Professor of Latin and
Wm. B. Maxson Professor of Greek

WALDO ALBERTI TITSWORTH, S. M., Registrar
Babcock Professor of Physics and Associate Professor of
Chemistry

RAY WINTHROP WINGATE
Professor of Vocal Music

* GEORGE ADDISON BOLE, A. M.
Professor of Chemistry

FORD STILLMAN CLARKE, Ph. B.
Professor of Philosophy and Education

KATHERINE H. PORTER, A. M.
Professor of English

CHARLES H. MILLIGAN, A. B., S. B.
Associate Professor of Chemistry

IVAN L. FISKE, S. B.
Instructor in Physical Training

MORTON E. MIX, Ph. B.
Instructor in Modern Languages

GLENTWORTH M. WILLSON, Ph. B.
Instructor in Philosophy and Education

LUCIA S. WEED
Instructor in Public Speaking

CLARENCE F. READ
Instructor in Piano

E. R. SWEETLAND, S. B. Agr., Ph. M., LL. M.
Foot Ball Coach

*Absent on leave.

Student Assistants

Biology

HAZEL PARKER

GERTRUDE FORD

Chemistry

ROBERT M. COON

WILLARD J. SUTTON

HAROLD B. SAUNDERS

WINFIELD F. RANDOLPH

ELLEN C. HOLMES

English

HAROLD S. NASH

History

HUBERT D. BLISS

Modern Languages

SAUL LLINAS

Physics

EDWARD E. SAUNDERS

Officers of Administration

BOOTHE COLWELL DAVIS, President and University Chaplain

ALPHEUS B. KENYON, Dean

WALDO A. TITSWORTH, Registrar

WILLIAM C. WHITFORD, Secretary of Faculty

CURTIS F. RANDOLPH, Treasurer

CORTEZ R. CLAWSON, Librarian

JAMES D. BENNEHOFF, Curator of Allen Museum

DANIEL LEWIS, M. D., Medical Adviser

MRS. EVA B. MIDDAUGH, Matron, Dormitory for Women

HARRY C. GREENE, Chief Janitor and Superintendent of Grounds

RUTH L. PHILLIPS, Secretary to the President

MARGARET B. FULLER, Head of Boarding Department

BURTIS R. MURDOCK, Head of Burdick Hall

General Information

History

On December 5, 1836, a select school was organized in the village of Alfred. The educational interests manifested in this humble beginning grew and resulted in the organization of an academy with a suitable building and small equipment. To meet the needs of an increasing attendance additional teachers were secured and in 1843 a charter was granted to "Alfred Academy." In 1846 three school buildings were erected on the present campus. In 1857 a university charter was granted.

The institution was founded and is maintained in the interests of Christian education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration.

Location

ALFRED UNIVERSITY is located at Alfred, Allegany county, New York, on the Allegheny division of the Erie railroad. Alfred is pleasantly situated among rugged hills at an altitude of eighteen hundred feet above sea level, and affords many conditions conducive to health.

Admission

Alfred College opens its doors to all worthy persons of either sex who possess the requisite literary qualifications and who present themselves for the purpose of doing earnest, faithful work. Persons who are addicted to the use of intoxicants or who have other habits detrimental to successful

intellectual, moral or physical development will not knowingly be admitted or retained.

Material Equipment

THE COLLEGE CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, ornamented with a variety of trees and shrubs, forming an arboretum of beauty and value. Its lawns, walks, and drives are kept up by the income from a special endowment for that purpose.

There are ten buildings on the campus: Alumni Hall, Kenyon Memorial Hall, Carnegie Library, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Ladies Hall, Burdick Hall, Kanakadea Hall, and the Gothic. Adjacent to the campus are the buildings of the New York State School of Clay Working and Ceramics, and of the New York State School of Agriculture.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a brick building completed in 1882. It contains the college assembly room, drafting room, and the recitation rooms and offices of the departments of Ancient and Modern Languages.

THE LIBRARY. The Carnegie library erected in 1912 is a beautiful building of brick and stone which contains in addition to the library, reading room, and seminar rooms, the offices of the President and the Treasurer.

The library contains about 29,500 volumes fully classified. It is open every college week day from 8:00 A. M. to 12 M. and from 1:30 to 5:30 P. M., also on Monday, Tuesday, Wednesday and Thursday evenings from 7:30 to 9:00; and on Saturday and Sunday afternoons from 3:00 to 5:00. Students are allowed free access to the shelves and are encouraged to diligent use of the books. The librarian is in constant attendance as reference librarian to give counsel and aid in any line of reading and research. All books,

except works of reference, may be drawn for home use under prescribed regulations. The library is under the supervision of a board of directors consisting of the president, the librarian, the professor of History ex-officio and one representative each from the board of trustees, the faculty and the alumni association.

A READING ROOM, well equipped with newspapers and periodicals, is maintained in connection with the library.

THE ALLEN STEINHEIM MUSEUM stands upon the lower slope of Pine Hill, overlooking the campus. This structure, a memorial of President Allen and Mrs. Allen, built in the style of an old castle, is unique among the college buildings. In its construction many varieties of rock found in the vicinity of Alfred were used. This building is the repository for the college collections of minerals, stone implements, pottery, coins, shells, corals, birds, animals, entomological and botanical specimens, and general curios.

THE BIOLOGICAL LABORATORY. The lecture room and laboratory of biology are in the Allen Steinheim Museum. The museum collections are intended especially as illustrative material to be used in this department. The biological laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments and other facilities. A greenhouse is a part of the equipment of the department for the propagation of animal and vegetable life, thus providing specimens for laboratory use. There is a department library containing many of the reference and text books on the subjects of biology and geology.

THE BABCOCK HALL OF PHYSICS, named in memory of George H. Babcock, founder of the professorship of physics, is a brick building, constructed especially for the study of the physical sciences. Stretching from Babcock Hall to Kenyon Memorial Hall is a large aerial, connected with a well equipped wireless receiving station situated in

the north end of the building. The laboratories are supplemented by a lecture room and department offices. The departments of Chemistry and Industrial Mechanics also have rooms in the building, including laboratories, a lecture room, department libraries, a machine shop, and a wood shop. Boilers in the basement furnish steam heat for this building and the Kenyon Memorial Hall.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. The laboratories are well equipped to carry out the work of the department. The analytical laboratory is equipped with the apparatus necessary for blowpipe analysis, qualitative analysis, quantitative analysis, and organic chemistry. The department is provided with a special library for reference, containing the best authorities on the science of chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a variety of apparatus for demonstrating physical laws. Adjoining the lecture room in the south wing is the laboratory fitted up for experiments in optics.

In addition to the lecture and apparatus rooms, there is a laboratory well-equipped for performing experiments in general physics. Besides such usual equipment, the department has a number of special pieces of apparatus for illustrating physical laws.

Valuable pieces of apparatus are designed and made in the shops of the college. Additions to the apparatus and the department library are made annually as the income accrues from the endowment fund of the Babcock professorship of physics.

INDUSTRIAL MECHANICS. The George B. Rogers department of industrial mechanics was founded in 1867 by Mrs. Ann M. R. Lyon and named in memory of her deceased son. The department has a library containing books upon the various branches of mechanics including practical and

theoretical works upon architecture, machine construction, and engineering. There is also apparatus for illustrating mechanical movements, intersections of surfaces and solids, warped surfaces, etc. Yearly additions are made to the library and apparatus of the department. The department is located in rooms in the Babcock Hall of Physics, and is equipped for actual practical work in the drafting room, carpenter shop, and machine shop.

THE CARPENTER SHOP, a commodious and well lighted room on the basement floor of the north wing of Babcock Hall, is equipped with wood lathes, circular saws, jig saws, shaping machines, and work benches, with sets of hand tools for the various branches of wood working. Power is furnished by an electric motor. Carpentry, wood turning, and pattern making are taught.

THE MACHINE SHOP, occupying the ground floor of the west wing of the Hall of Physics, is provided with lathes, planers, drills, shaping and other power machines, also hand tools for metal working. The machinery is driven by electric power. Many pieces of mechanical and scientific apparatus have been designed and constructed in the department. By the construction in the shops of some of the apparatus used in the department, the students gain practical as well as theoretical knowledge.

THE ROGERS OBSERVATORY, named in memory of Professor William A. Rogers, consists of a circular room surmounted by a revolving dome nineteen feet in diameter; and prime vertical, transit, and clock rooms. It contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus; a meridian circle with an object glass of three and one-fourth inches clear aperture, and four and one-half feet focus, the circle being twenty inches in diameter and reading by four verniers to three seconds of arc; a sidereal chronometer; a filar micrometer; an astronomical globe; a heliograph and charts, etc.

LADIES HALL is a large brick dormitory which contains rooms for about sixty women students, the assembly rooms of the Alfriedian and Athenaeum lyceums, and the Young Women's Christian Association, and a dining hall.

BURDICK HALL, the dormitory for men, named after Mr. William C. Burdick, was given to the university by his widow, Mrs. Amanda M. Burdick, and his daughter, Miss Susan M. Burdick. This dormitory is a frame building, containing furnished rooms for about thirty students. In it are the headquarters of the Young Men's Christian Association, and a boarding club for men.

KANAKADEA HALL is a two story brick and wood building with terra cotta roof. It contains the lecture rooms and offices of the departments of English, History and Political Science, Mathematics, and Philosophy and Education, and the office of the Dean and the Registrar.

ALUMNI HALL. The old Chapel which has for several years past been used for the Academy was made available for an alumni hall when, in 1915, all of the college preparatory and high school work was taken over by the public school. This is a substantial frame building, fifty by one hundred feet, and contains a large assembly hall and the rooms of the Alleghanian and the Orophilian Lyceums. At present the assembly hall affords an excellent place for basketball practice.

GYMNASIUM. The gymnasium is on the lower floor of Babcock Hall. It is equipped with chest weights, dumb bells, wands, Indian clubs, horizontal and parallel bars, rings, poles and floor mats. A dressing-room with individual lockers, a well equipped bath room with shower baths, and a handball court are provided. The gymnasium is in charge of the physical director.

The alumni and other friends of the University have started a fund, known as the "Davis Gymnasium Fund" to provide a more commodious gymnasium.

ATHLETIC FIELD. The university athletic field embraces over three acres of level land. All intercollegiate contests in football, baseball, and track athletics are held on this field. The field affords a running track (one-sixth of a mile). Appropriate apparatus for field sports is provided.

Religious Life

While the college is non-sectarian it is distinctly a Christian institution. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. Brief chapel exercises are held every morning of the school week. Religious services are held every Sunday during term time and all students are urged to attend these or the services of the village church.

There is a Young Men's and also a Young Women's Christian Association, each under the management of the students themselves. The religious activities of the students are under the direction of these organizations.

Social Life

The supervision of the social life of the college is entrusted to a committee of the faculty. This committee has general oversight of the social relations of the students, of social gatherings, of the dormitories, and of the rooming of students outside of the university buildings.

Few formal regulations are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The faculty will take cognizance of unbecoming conduct, and will impose appropriate penalties therefor.

Two receptions to students and faculty are held during the year, one by the Christian Associations immediately after the opening of College, the other by the president during

Commencement Week. These, together with class, lyceum and Christian Association parties provide opportunity for relaxation and habituation to social usages.

Residence Halls

THE LADIES HALL. All women students are required to reside in this hall, unless permitted, for reasons of weight, to room in approved homes in the village. Applications for such permission must be made to the chairman of the Student Life Committee.

Large, furnished rooms suitable for one or two students offer accommodations for about sixty women. The university dining hall, reception rooms and the matron's rooms occupy the lower floors. On the third floor a kitchenette is provided for residents who, for financial reasons, desire to board themselves. Such students, however, are required to take dinners in the University dining hall.

"House Government" is administered by the students subject to the general regulations of the College Women's Organization and to the supervision of the Student Life Committee. The matron is official chaperon of the house, provides for the comfort and welfare of the residents, and performs in general the duties of a house mother.

BURDICK HALL, the men's dormitory, is in charge of an official head appointed by the president, who has the custody of the university property there and supervision over the conduct of those in the building.

Student Organizations

ATHLETIC ASSOCIATION. All sports are in the immediate charge of the athletic association, which has a football team playing under intercollegiate rules, a base ball nine, and a basket ball team. For tennis there are excellent courts and an annual tournament is maintained. Athletics, however, are not carried to extremes. The committee on

athletics from the faculty, and the graduate manager exercise general supervision, for it is the purpose of the university to give due attention to the physical welfare of its students, and at the same time keep the physical in proper relation to the intellectual and moral development.

An interscholastic meet under the general supervision of the Athletic Association is held on the university athletic field each spring, in which the high schools and academies of the surrounding country are invited to compete for a trophy offered by the university.

THE STUDENT SENATE is the executive body of student self government. It consists of seven members elected by the students. The Senate enforces Campus Rules and other student regulations, supervises class contests and decides all questions arising therefrom. It is the aim of the Senate to be representative of student sentiment and to co-operate with the faculty in matters of student welfare.

There are various other student organizations the most prominent of which are the Young Men's and the Young Women's Christian Associations to which allusion has been made under "Religious Life" p. 19. The activity of the four lyceums has been in part superseded by other work and these organizations while still remaining do not hold weekly meetings as formerly.

Terms and Vacations

The college year consists of two terms, or semesters, of about eighteen weeks each. There is a vacation at the holidays of about two weeks; a two weeks recess at Easter time and a summer vacation of about fifteen weeks.

Class Exercises

The class period is one hour in length; in laboratory work, however, the class period is two hours. There are no classes on Saturday or Sunday. Each student is expected

to have at least sixteen hours per week, and may not register for more than seventeen with the following exceptions: (1) If a student has no standing less than B in the preceding semester he may register for eighteen hours. (2) Students who have a grade of A in more than half their work may register for more than eighteen hours upon the approval of the Faculty.

Freshmen who fail to pass in at least half of their work in a semester are not eligible for registration the next semester. Sophomores must pass at least two-thirds of their work, and Juniors, Seniors and Specials at least three-quarters to make them eligible for registration the next semester.

Unit of Measure or Credit

One class period per week for one semester, is taken as the unit of credit, and is termed a semester hour. In each college course one hundred and twenty-eight semester hours are required.

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F, failure.

Absences and Excuses

It is expected that no student will be absent from any class period except in case of necessity. Reasons for absence from classes are submitted to a committee of the faculty known as the Committee on Absences. All excuses are granted with the understanding that the work missed will be made up to the satisfaction of the instructor. Unexcused absences in excess of twice the number of recitations per week will lower the grade one letter. Each absence occurring within three days preceding or following a recess shall count two, and each unexcused absence in excess of the number of recitations per week shall count two. Two unexcused tardinesses count as one unexcused absence. Absences, excused or unexcused, in excess of three times the

number of recitations per week will be considered sufficient reason for suspension from the course.

Examinations

Final examinations are held at the close of each semester in addition to occasional written tests during the semester. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Registration

All students will register at the Dean's office on the first day of the college year; and students entering at the beginning of the second semester will register on the first day thereof. Any student not registering on the day set therefor will be charged a fee of two dollars for late registration.

College Fees per Semester

Tuition	\$17 00	
Incidentals	13 00	—\$30 00
Athletics		2 00
Reading Room.....		1 00
College Paper (Fiat Lux).....		75
Extras, for use of instruments, laboratory materials, etc:		
Gymnasium (Freshmen, Sophomores).....	\$1 00	
Surveying	4 00	
Chemistry Breakage Deposit, per year, Chem. 1, 8....	2 00	
Chemistry Breakage Deposit, per year, Chem. 2, 3, 4, 5..	5 00	
Elementary Chemistry.....	4 00	
Advanced Chemistry, each course.....	5 00	
Physics 1, Laboratory.....	1 50	
Advanced Physics, Laboratory.....	2 50	
Botany or Zoology.....	4 00	
Entomology	2 00	
Physiology	1 00	
Shop	4 00	
Special examination, each.....	1 00	
Graduation	5 00	

Students who register for more than seventeen semester hours will be charged three dollars for each additional hour.

Special students taking fewer than eight semester hours will be charged three dollars for each hour.

Bills for college fees will be presented by the third Friday of the semester, and must be paid at the office of the treasurer by the fifth Friday of the semester.

Rooms and Board

Rooms and board for women can be had at Ladies Hall, as follows:

Rooms furnished, with heat and lights, per semester	\$20 00 to \$30 00
Board, per week (subject to increase).....	4 25

Rooms and board for men can be had at Burdick Hall, as follows:

Rooms furnished, per semester.....	\$18 00 to \$24 00
Board per week, club plan, about.....	3 50

Gas for fuel and lights is paid for according to the amount used at 35 cents per thousand.

Rooms and board including fuel can be obtained in private families from \$5.00 to \$6.00 per week. Board in clubs organized and managed by the students themselves varies from \$3.50 to \$5.00 per week according to the means and inclinations of the students.

Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$260.00; and by exercising care, upon \$300.00. An allowance of \$350.00 is comfortable and \$400.00 is liberal.

Board, \$3.50 to \$5.00 per week.....	\$126 00 to \$180 00
Rooms, \$18.00 to \$36.00 per semester.....	36 00 to 72 00
Gas, per year.....	5 00 to 8 00
Laundry, per year.....	12 00 to 20 00
Books	10 00 to 25 00
Class dues, etc.....	2 00 to 10 00
College tuition, incidentals and extras.....	69 00 to 85 00

Total for year.....	\$260 00 to \$400 00
---------------------	----------------------

Self-Support

Many of the graduates of the university have been persons of very limited means who worked their way through college. While the college cannot guarantee work to all

applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses. Students should distinctly understand that when they attempt entire self-support they may find it necessary to lengthen their term of study.

Special Students

In special cases students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted, provided they produce satisfactory evidence that they are prepared to undertake the study of such subjects with advantage. The faculty, however, urges all such persons seriously to consider the desirability of qualifying for one of the regular courses.

Pre-Medical and Combination Courses

A pre-medical and combination college and medical course may be obtained by completing the first three years of either the classical or scientific course in Alfred, electing as a part of the work, the particular subjects required for entrance to the study of medicine, and completing in addition a medical course.

The Yale School of Medicine requires the following specific subjects to be included in the pre-medical course; general physics, laboratory physics or physical chemistry, general inorganic chemistry, organic chemistry, analytical chemistry, general biology, elementary psychology, and a reading knowledge of German. Yale accepts Alfred's certificate for the completion of the pre-medical course.

Any student completing the three year pre-medical course in Alfred and the first year's work in the Yale School of Medicine, may return and receive his college degree at Alfred.

This combination course has been arranged with Yale for the purpose of giving the student the advantage of a first class college and medical course and shortening the term of study from eight to seven years.

Students who contemplate the pre-medical and combination courses should report the fact to the registrar upon entrance to college or as soon thereafter as possible.

Admission

Candidates for admission to the freshman class must be at least sixteen years of age and of good moral character. The particular requirements for entrance to college, are explained below, and cover in each case not less than a four years' preparatory or high school course.

Preparatory work is estimated in "units." The "unit" represents a course of five recitations weekly throughout an academic year of the preparatory school. The New York State regents "count" represents one-fifth of a unit. Fifteen "units" or an equivalent must be offered.

Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

Each student must be able to pass an examination upon ten books selected from the list prescribed by the college entrance associations. The following ten are recommended: Shakespeare's *Julius Caesar*, and *The Merchant of Venice*; *The Sir Roger de Coverly Papers*; Goldsmith's *The Deserted Village*; Scott's *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Irving's *Sketch Book*; Ruskin's *Sesame and Lilies*; Lowell's *The Vision of Sir Launfal*; Longfellow's *Courtship of Miles Standish*.

In addition to the above a thorough study of each of the works named below is required. The examination will be upon subject matter, form, and structure.

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; or Tennyson's *Idylls of the King*; Burke's

Speech on Conciliation with America, or Washington's Farewell Address and Webster's Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Cæsar, four books of the Gallic War; Cicero, six orations; Virgil, six books of the *Æneid*, or equivalents: or four units from not more than three of the following: Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary Algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; Plane Geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, Botany, Physiology, Zoology, Physical Geography, Physics or Chemistry. Any one may be offered.

ELECTIVE—5 units in addition to the above subjects.

Candidates for the A. B. degree must offer the minimum of two units of Latin in the foreign language requirement. Candidates for the S. B. degree may substitute one unit of science and one unit of advanced mathematics for two units of foreign language. Two units of foreign language offered must be of the same language.

Summary

English	3 units
Mathematics	2 units
Foreign Languages	4 units
Science	1 unit
Elective	5 units

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as

they cover these requirements. (For description of subjects, see *Entrance Requirements*).

PRINCIPAL'S CERTIFICATE. Certificates are also received from principals of preparatory or high schools outside of New York state, provided such schools are known to the faculty for thoroughness of instruction. Such certificate must specify, in connection with each subject, the extent to which it has been pursued, by giving the text-book used, the method of instruction, the amount of time given to it, the date of the final examination, the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every detail. The college furnishes blank forms for such certificates upon application of principals of approved schools. Principals of preparatory schools who desire to have their students admitted on certificate are invited to correspond with the dean.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the day preceding registration day, of each year.

Conditioned Students

No student can enter the freshman class conditioned in more than two academic subjects. These conditions must be removed within one year.

Admission to Advanced Standing

Students from other colleges, having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character, including an honorable dismissal.

Courses of Study

The college offers two courses of study leading to baccalaureate degrees. Each course covers four years of work and includes one hundred and twenty-eight semester hours. The courses are as follows:

(a) The classical course, leading to the degree of Bachelor of Arts.

(b) The scientific course, leading to the degree of Bachelor of Science.

Required Studies in Both Courses

Numerals indicate the number of class exercises per week and semester hour credits, except in physical training where two exercises per week count one credit.

Freshman Year		Sophomore Year	
English	3	English	2
Mathematics	3	Foreign Language	3
Foreign Language	3	Science	3
History	3	Logic and Psychology	2
Science	3	Physical Training	1
Physical Training	1	Elective	6
Sociology and Ethics	1		

Elective Studies

The studies of the junior and senior years are elective and may be chosen from any department of instruction subject to the following conditions:

Each student on entering college will be assigned to some member of the faculty who will act as his adviser until May 1 of the sophomore year. At that time the adviser will report to the faculty the student's choice of major and minor subjects. The professor in charge of the department in which the major is chosen will then become the student's adviser for the remainder of the course. Each student shall elect a major and a minor, subject to the approval of the

faculty. A major consists of sixteen semester hours in addition to the required work. A minor consists of ten semester hours in addition to the required work. A student choosing science or foreign language as a major must elect a subject in which he has done at least one year of preliminary college work. D is reckoned as a passing mark; but of the one hundred twenty-eight hours required for graduation ninety hours of the work of each student must have a grade of at least C and his major work must have an average grade of B. The major and the minor shall be chosen from the following groups:

Groups

- I. English
- II. German
- III. Romance Languages
- IV. Latin
- V. Greek
- VI. History and Political Science
- VII. Philosophy and Education
- VIII. Religious Education
- IX. Mathematics
- X. Industrial Mechanics
- XI. Physics
- XII. Chemistry
- XIII. Biology and Geology

(a) Students in the classical course will elect a major from Group I, II, III, IV, V, VII, or VIII, and complete a total of at least 66 hours from these groups and a minimum of 24 hours from the remaining groups.

(b) Students in the scientific course will elect a major from Group IX, X, XI, XII, or XIII, and complete a total of at least 48 hours from these groups and a minimum of 42 hours from the remaining groups.

The minor shall be chosen from a group other than the one from which the major is elected.

Senior Thesis

Any senior may, not later than the first of November, elect to write a thesis in the department of his major subject upon the approval and under the direction of the head of such department. The thesis work may be done on the basis of three or five hours credit as agreed upon; and credit shall be given only when the work is accepted by the head of the department, and a type-written copy deposited with the university librarian. All thesis work shall be counted as part of the senior schedule for the second semester.

Before completing thesis, seniors should consult the librarian regarding form, size, and title page of the final copy.

Bachelor's Degree

The bachelor's degree will be conferred upon students who satisfactorily complete one hundred and twenty-eight semester hours, as described above:

(a) *Bachelor of Arts* upon students in the classical course.

(b) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The master's degree may be conferred upon graduates having the bachelor's degree, whether of this college or of any other having equivalent courses, after one year's resident study. The candidate must elect, subject to the approval of the faculty, one major and two minor subjects in advanced courses. The major must represent twelve semester hours, and each minor, six semester hours. The candidate must pass a satisfactory examination in each subject, and must submit a thesis upon some theme chosen in the field of the major subject. The thesis must be the equivalent of six semester hours' work, in addition to the twelve hours required for the major subject. It must be approved by the professor of the department in which the major is chosen, and a type-written copy must be deposited in the university library not later than May 15.

Candidates will pay the regular tuition fee of \$30 per semester and a graduation fee of \$5.

Honors

Honors are awarded at the end of the freshman, the sophomore, the junior and the senior years. The names of those to whom honors are awarded will be recorded in the books of the registrar, announced on commencement day, and printed in the annual catalogue. The faculty reserves the right to withhold any honor for cause.

Freshman, Sophomore and Junior Honors

Honors are awarded to members of the freshman, sophomore and junior classes who have earned an average grade of B, and who at the time of the award have no entrance conditions.

A silver cup, given by the Twentieth Century Club of the Alumni of the University, is awarded to that one of the two lower classes making the highest scholastic average during the year.

Special Honors in Modern Languages

Juniors and seniors majoring in modern languages may become candidates for special honors in either German or French under the following conditions:

1. Application to become a candidate for these honors must be made to the head of the department not later than December 1, of the senior year.

2. The following courses (aggregating 31 hours), or their equivalents, must be taken: (a) for special honors in German: History 2 and 3, and German 2b, 3, 4a, 4b, 4c, 5a, 6, and 6a; for special honors in French: History and French courses of like numbers and titles with the German.

3. Candidates must complete 4000 pages of reading—1000 in English and 1000 in German in addition to the 2000 in the works read in the above courses—and hand in written reports on the same.

4. At the end of the senior year candidates will take a special examination—to be composed, one-half of an oral and one-half of a written test—in lieu of the regular final examinations in the department of modern languages.

Departmental Honors

Honors in the different departments of study are awarded to seniors under the following limitations:

1. The student must have pursued at least eight hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of B or more in the studies pursued during the junior and the senior years.

3. Honors are voted by the faculty on recommendation of the professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Senior Honors

Three grades of honors are awarded to seniors, viz.:

(a) Highest honors, or *summa cum laude*, to those having no grade less than A.

(b) High honors, or *magna cum laude*, to those having an average grade above B and no grade less than C.

(c) Honors, or *cum laude*, to those having an average grade of B.

The senior class nominates, not later than the last of the first semester, five of their number from whom one is chosen by the faculty to deliver an oration on Commencement day. It is expected that the senior thus chosen will give his time and attention outside of his class work to the preparation of this oration; one semester hour credit is given for the same, and the student is known as the Class Orator.

Departments of Instruction

[Alphabetically Arranged]

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "*two hours*;" three exercises, "*three hours*," etc. Roman numerals signify that the course is limited to the one semester named, I or II. Courses with year numerals following are given that year and alternate years; other courses are offered every year. Instructors reserve the right to vary from these announcements as circumstances may dictate.

AGRICULTURE AND DOMESTIC SCIENCE

The New York State School of Agriculture offers five courses to college students, the credit for which counts towards the bachelor's degree.

AGRICULTURE 1. — AGRONOMY. This course considers the function of the soil, the physical composition, kinds and textures of soils and their relation to air, drainage, temperature, and depth of root penetration; the importance of moisture and the methods of controlling the moisture content of the soil; a study of grasses suitable for meadows and pastures. A study is made of plant breeding and the advantage of plant selection. Intensive study is given to the common cereals and to the best methods of growing alfalfa and other useful leguminous plants. Botany and chemistry have direct application in this course. *Three semester hours credit*. Two lectures and one laboratory period per week for 24 weeks.

AGRICULTURE 2. — HORTICULTURE. A course in Orcharding and Gardening, covering the essential principles of the propagation, planting, harvesting and marketing of our common fruits and vegetables with suggestions as to

varieties and their adaption to different sections. Two lectures and one laboratory period per week for 12 weeks. Prerequisite, Agriculture 1. *One and one-half semester hours credit.*

AGRICULTURE 3. — ANIMAL HUSBANDRY AND DAIRYING. A course including the study of the breeds of farm animals, together with the principles of breeding, feeding and computation of rations. Also the use of the Babcock test, cream separator, etc. Two lectures and one laboratory period per week for 12 weeks. Second semester. Prerequisite, Agriculture 1. *One and one-half semester hours credit.*

COOKING. This course covers in a brief way the principles of plain cooking. The food materials are classified according to their uses in the body. The effect of heat on the food nutrients is studied and this is followed by the different methods of cooking. Each class of foods is taken separately with lessons on their preparation for the table. *Three semester hours credit.*

SEWING. The work in sewing includes the mastery of the Snow system of drafting and pattern making. The application of this work is in the making of garments, such as the shirtwaist. *Two semester hours credit.*

ART

College students may elect work in the courses in drawing, modeling, and design of the New York State School of Clay-working and Ceramics and obtain credit to the amount of fourteen semester hours. The detailed description of courses will be found in the catalogue of the School of Ceramics.

HISTORY OF ART. Lectures and recitations illustrated with photographs and slides on the history of the arts and the appreciation of beauty in works of art. The beginnings of art. Egyptian, Greek and Roman art. The arts and crafts of the Middle Ages. The painting and sculpture of the Renaissance. Modern art. Reinach's History of Art Throughout the Ages is used as a text-book with supplementary reading and the keeping of notebooks. Lectures and recitations. *Two hours.*

ASTRONOMY

Professor W. A. Titsworth

1. GENERAL ASTRONOMY. The principles of astronomy are considered as far as possible without mathematics. Especial attention is paid to the application of physical principles and laws to astronomical reasoning. The course is cultural rather than technical in its nature. Prerequisites, Physics 1 and Trigonometry. *Two hours.*

BIBLICAL LANGUAGES AND LITERATURE

Professor Whitford

The English Bible is studied from a literary and historical point of view. By means of these courses the student is helped to a practical knowledge of the book which has exercised the most sweeping influence upon the human race.

1. LIFE OF CHRIST. A critical study of the material presented in the four Gospels is made with attention to matters of harmony. The student is encouraged to use constructively the conclusions that he has made, and to write a life of our Lord. *Two hours.*

2. THE SOCIAL AND ETHICAL TEACHINGS OF JESUS. With the Gospels as a basis, the form, methods, and sources of Jesus' teachings are considered. The particular teachings that he made prominent, especially those concerning conduct and relations with fellowmen, are carefully noted. *Two hours.*

3. THE APOSTOLIC AGE. The growth of the kingdom of God in the period immediately following the resurrection of Jesus the Christ is studied from the narrative of the book of Acts, and from the letters of the early apostolic missionaries. Light on the interpretation of the Epistles is sought from the circumstances and conditions under which they were written. *Two hours.*

4. THE ORIGIN AND RELIGIOUS TEACHINGS OF THE OLD TESTAMENT BOOKS. An effort is made to get at the true meaning of the various books by considering them in connection with the situations that called them into being. The unfolding of religious ideals is traced. *Two hours.*

5. MESSIANIC PROPHECY. The Messianic passages of the Old Testament are studied with a view to determine what sort of a Messiah was expected, and what were to be the circumstances and conditions of the Messianic age. *Two hours.*

6. WISDOM LITERATURE. The wisdom books of the Old Testament are studied with special attention to literary features and to determine the ethical content of the words of the wise men. *Two hours.*

7. EARLY HEBREW HISTORY. The earlier narratives of the prophetic writers of the Pentateuch are studied with an effort to understand their point of view, and the lessons that they meant to teach. The period covered is from Creation to the death of Moses. The student is encouraged to make special investigation of various problems. *Two hours.*

8. PEACE. A consideration of the nature and causes of war, and particularly of the teachings of the Bible in regard to war and peace. The foundation of lasting peace rests upon a real appreciation of Jesus' teaching of the universal brotherhood of man and the worldwide scope of the Kingdom of God. *One hour.*

For the study of the Old Testament in the original the following course is offered:

9. ELEMENTS OF HEBREW. The first eight chapters of the book of Genesis are read in connection with a study of the grammatical forms as they occur. Toward the end of the course select passages from the historical books are read at sight. The student is expected to attain a mastery of Hebrew proportionate to his mastery of Latin at the end of two and one-half years. *Four hours. Two semesters.*

New Testament Greek: See Greek 8 and 9.

BIOLOGY AND GEOLOGY

A. Biology

Professor Bennehoff

Miss Parker

Miss Ford

Perhaps no location in the interior of the country has such an advantageous position for botanical research as Alfred. Its elevation affords mosses and lichens; the many

swamps of the water-sheds in the hills teem with algæ, and are bordered with dense marginal growths of ferns and lycopodiums. The water-sheds supply a very wide range of the common plants. In addition, the college campus is ornamented with a large collection of trees and shrubs of various kinds.

The work in biology aims to give the student a first-hand knowledge of the different forms in which life expresses itself, by the direct study of organisms in the laboratory. This is supplemented by the study of standard literature, and by discussion in class. Attention is paid to the relation of organisms to each other, their adaptation to their mode of life, and the application of observations to general theories and laws.

Only those courses will be given for which five or more students register.

1. **BOTANY.** Morphology of Coulter Barnes and Cowles. A study of the thallophyta, bryophyta, pteridophyta and spermatophyta, first in the field and then in the laboratory. Fall field work includes the study of the ecology of the native plants. The latter part of the first, and first part of the latter semester are taken up with the study of plant physiology as outlined in Payne's Manual of Experimental Botany. A short study of botanical nomenclature, and then herbarium work is begun. The manual used is Gray's New Manual of Botany, seventh edition. The scope of this course is very wide with the thought that the electives offered would enable the student to specialize. *Three hours.*

2. **ZOOLOGY.** Text, Galloway's Zoology. The aim of this course is to present the animal kingdom to the student in its widest aspect. The study of anatomy will be subordinated to that of the problems of physiology and ontogeny. The course includes the study of living animals, and the ecology of animals in field studies. *Three hours.*

3. **PHYSIOLOGY.** Martin's Human Body. Advanced Course. Text-book, supplemented by illustrations with the skeleton and manikin. *Three hours.*

4. **BIOLOGY.** Conn's Biology. The vital activities of one animal and one plant and the cell in its relation to life, as it appears in one-celled forms, are studied intensively. The phenomena of karyokinesis and reproduction are studied, aiding to understand theoretical work during the last semester. *Two hours. I.*

5. **THEORETICAL BIOLOGY.** Walter's Genetics. Reviews of the work of Darwin, Lamarek, Mendel, DeVries, Spencer, Huxley, Weissman, and the earlier scientific theorists. Extensive study upon the recent works of such theorists as Wilson, Morgan and Davenport. Eugenics in relation to criminology, insanity, and similar human deficiencies, transmission, the determinants of transmitted characteristics, atavism, and recessiveness; and the more recent works along karyokinetic lines are studied. Course 4 is prerequisite. *Two hours. II.*

6. **MICROSCOPY.** This course includes a rapid review of the technique of the microscope, microchemistry with the polariscope, lenses, lighting, and the care of the instrument; temporary and permanent preparations, and some staining. *Two hours. I.*

7. **CYTOLOGY.** The preparation of the microscopic slide from fresh materials, through killing, fixing, dehydration, infiltration, imbedding, cutting, staining, and mounting. Where the student desires to do investigation work in particular lines, the material that he prepares can be such that it will directly aid him in the problem he studies. Prerequisite, course 6. *Two hours. II.*

8. **LABORATORY METHODS.** A course of instruction to give the laboratory problems to prospective biology teachers. All the courses are given with the thought of studying the subject matter and demonstrating the text. This course has more to do with running of the laboratory and preparing of the student of natural science for teaching the work he has already seen as a student. *Two hours. I.*

9. **MUSEUM MANAGEMENT.** Every high school is gathering a small teaching museum, and it is the aim of this course to teach the student how to run the museum and prepare the specimens. The permanent preparation may relieve the teacher of much hard work at a time when his energy could be better used than in making the temporary

dissections over and over, year after year. This will be found a good course to follow course 8. *Two hours. II.*

10. CRYPTOGAMIC BOTANY. No text, but a general knowledge of the work of all our best botanists is sought after. Detailed study of the slime moulds, fresh water algæ, fungi, lichens and mosses, with which our locality abounds. Course 1 is prerequisite. *Three hours.*

11. PHANEROGAMIC BOTANY. Text, Gray's New Manual of Botany, seventh edition. A study of the flowering plants throughout the year. Special emphasis on classification and use of the manual. Course 1 is prerequisite. *Three hours.*

12. ENTOMOLOGY. Text, Comstock's Manual of The Insects. Study of the classification of the insects, museum work, field work, preparing of specimens, and writing of economic papers and lectures. Collection required. Course without prerequisites. *Three hours.*

13. MAMMALIAN ANATOMY. Text, Davidson's Mammalian Anatomy with Special Reference to the Cat. A course for those students who think of taking up some form of medical work in the university. *Two hours.* Course 2 required.

14. EMBRIOLOGY. Text, Foster and Balfour's Embriology of the Chick. Course 2 is required. A study of the development of the chicken, and its relations to mammalian development. *Two hours. I.*

15. ORNITHOLOGY. Text, Chapman's Bird Book. Museum studies of the birds, followed by a course of bird walks in the spring. The songs of the birds; their economic importance as destroyers of insects; their nests and habits. *Two hours. II.*

16. CONCHOLOGY. A museum course in the study of shells. *Two hours.*

B. Geology

Professor Bennehoff

Alfred University offers superior advantages to the student of geology. The Allen Steinheim Museum is constructed of the representatives of every geological formation

from the lowest Laurentian to the last Chemung, and yet no stone in the building has been moved more than two miles from the place in which the glaciers of the ice age left it. From these glacial moraines the student is able to gather valuable type collections, illustrating all the formations found between the north of Labrador and Allegany county. The palæontological collection is very complete, containing many duplicate specimens and a carefully selected series of casts.

The work in geology is supplemented by illustrated lectures, supplied at considerable expense, and while attendance is required of the students of the geological courses, any others may attend who desire to avail themselves of the opportunity.

1. GEOLOGY. LeConte's Elements of Geology. Dynamic and structural geology are studied by means of lectures, library reading, and field work. *Two hours. I.*

2. HISTORICAL GEOLOGY. Part III of LeConte's Elements of Geology. This is a continuation of course 1. The work of this course consists of assigned readings in the library and the collecting of one hundred specimens. Prerequisite course 1. *Two hours. II.*

3. ECONOMIC GEOLOGY. Economic Geology of the United States by H. Ries. A study of the formation and localities where deposits of minerals occur in the United States; coal oil, clays, cements, lime, salt, gypsum, fertilizers, and the various precious metallic ores are considered. This course may be substituted for course 2. Prerequisite, course 1. *Two hours. II.*

4. PALAEOLOGY. An advanced course in historical geology, dealing with the flora and fauna of former epochs. The student learns to identify the various forms of fossils in the native Chemung formations, makes a collection of his own, labels and catalogues it, and aids in the work along this line in the Allen-Museum. There is no text-book; the student is taught to get the scientific names from original sources, and to work independently. Elective. Prerequisites, courses 1 and 2. *Two hours. I. 1914-15.*

CHEMISTRY

Professor Bole

Professor W. A. Titsworth

Mr. Milligan

Mr. Coon

Mr. Saunders

Mr. Sutton

Miss Holmes

Mr. Randolph

1. CHEMISTRY. A thorough course in the theory and principles of the science of chemistry, covering Alexander Smith's College Chemistry. It is supposed that students entering this course shall have had high school physics, and preferably high school chemistry. Lecture and recitations *two hours*, laboratory *one hour*. This course cannot be counted on a major in Chemistry.

2. QUALITATIVE ANALYSIS. The detailed separation of the metals, non-metals and acid radicals. The student is required to apply the theory learned in course 1 and to explain the reason for each reaction. The ionic theory, solubility product, law of concentration, hydrolysis, amphoteric hydroxides, etc., are studied and application made in the separations. A laboratory course consisting of four hours of laboratory work a week throughout the year, with one hour lecture. Required of major students. Text-book, Stieglitz. Prerequisite, course 1 or its equivalent. *Three hours*.

3. QUANTITATIVE ANALYSIS. A laboratory and lecture course. The work embraces the principal methods of gravimetric, volumetric and electro-chemical analysis, and the use of the reference works and the chemical journals. This course gives quantitative application of the laws which are studied qualitatively in course 2. Prerequisites, courses 1 and 2. *Three hours. I.*

4. TECHNICAL ANALYSIS. Lectures and laboratory work. The analysis of silicate and carbonate rocks, and of iron and steel is carried out in detail. The student is given the opportunity to compare different methods of analysis rather than to follow any specified method. Prerequisites, courses 1, 2 and 3. *Three hours. II.*

5. GAS AND FUEL ANALYSIS. Lecture and laboratory course. The complete analysis of fuel, illuminating and natural gases is carried out in the laboratory. The study

of the various fuels is taken up and different samples are analyzed by the student. The student is taught to use the Orsat and Hemphill apparatus and the Parr Calorimeter. Prerequisites, courses 1, 2, 3, 4. *Three hours. II.*

6. PHYSICAL CHEMISTRY. Introduction to the concepts of physical chemistry. The first semester is taken up with a detailed study of the qualitative laws governing gases, liquids, solids, and substances in solution. During the second term a study of the phase rule and electro-chemistry is taken up and a detailed study of the laws of chemical equilibrium and applications of the same are carried out. Prerequisites, courses 1 and 2 and Calculus. (Calculus may be taken simultaneously with this course). *Two hours. 1918-19.*

7. ORGANIC CHEMISTRY. Two recitations or lectures and one two-hour laboratory period a week throughout the year. The systematic study of the chemistry of the carbon compounds is taken up and many typical compounds are prepared in the laboratory. Required of major students. *Three hours. 1917-18.*

8. FOOD CHEMISTRY. One lecture and one two hour laboratory period a week throughout the year. The aim of this course is a study of the chemistry of every day life as applied in the home, especially in the preparation of foods. The course acquaints the student not only with the qualitative and quantitative methods used in chemistry, but also with organic chemistry and bacteriology. This course can be of profit to those who may have to teach science in the secondary schools as a side issue. Prerequisite, Chemistry I. *Two hours.*

9. ADVANCED QUANTITATIVE ANALYSIS. Recommended to premedical students. Prerequisite, Course 3. *Three hours. II.*

ENGLISH

Professor Porter

Mr. Nash

1. ENGLISH COMPOSITION. Designed primarily to teach clear and correct expression. Themes and conferences. Reading of standard authors. Required of freshmen. *Three hours.* Prerequisite to all further courses in the department.

2. ARGUMENTATIVE COMPOSITION. Intended to develop the power of handling argumentative topics forcefully; frequent practice in brief drawing and less formal argument. *One hour.* 1917-18.

3. SHORT STORY WRITING. A study of the technique of the short story. Reading of representative short stories; writing of original stories. *One hour.* 1918-19.

4. ADVANCED ENGLISH COMPOSITION. Daily themes. Open to students who have passed English 1. *Two hours.* 1917-18.

5. ANGLO SAXON. A study of Anglo Saxon grammar. Translation of the selections in Bright's Anglo Saxon Reader and of one of the shorter Anglo Saxon poems. *I.* 1918-19. (Students majoring in English are urged to take this course.)

6. INTRODUCTION TO ENGLISH LITERATURE. A study of representative selections of English Literature from its beginning to the present time. Required of sophomores. *Two hours.*

7 and 8. EIGHTEENTH CENTURY LITERATURE. A study of the lives, works, and times of the chief writers of the Restoration period and of the eighteenth century. *Two hours.* 1917-18.

9 and 10. NINETEENTH CENTURY LITERATURE. A detailed study of the leading writers of prose and poetry in the nineteenth century, with briefer consideration of minor contemporaries. *Three hours.* 1918-19

11. MODERN DRAMA. A study of the aspects of modern drama. Reading of recent plays of English, French, German, Scandinavian, Russian, and American dramatists. Elective for students who have credit for a year's work in English Literature. *Two hours.* 1918-19.

12. AMERICAN LITERATURE. A general survey of American Literature from its beginnings to the Nineteenth Century. *Two hours. I.* 1917-18.

13. A CONTINUATION OF COURSE 12. The literature of the Nineteenth Century. *Two hours. II.* 1917-18.

14. ELIZABETHAN LITERATURE. A study of the work done by some of the chief historians, educationalists, sonneteers, and literary critics of the period. Special emphasis

is given to the rise of the novel and to the development of the drama. *Two hours. I. 1918-19.*

15. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. (See Greek 7). With the consent of the head of the department this course may count toward a major in English. *Two hours. Professor Hart.*

16. HISTORY OF ENGLISH LITERATURE. A general survey of English Literature from its beginnings up to the Restoration period. Required for major students in the senior year. *Two hours. I. 1918-19.*

ETHICS

President Davis

1. PRACTICAL ETHICS. This course is a series of lectures on practical ethics. It includes a consideration of ethical problems involved in student life and in present social and industrial questions. It is required of all freshmen. *One hour. II.*

2. HISTORICAL AND THEORETICAL ETHICS. A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the nature, function, and authority of conscience, the origin and content of the moral law and related themes. *One hour.*

GERMAN

Professor Paul E. Titsworth

Mr. Mix

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach German should take all the work offered in it.

German courses, Nos. 1 and 2a cannot be counted toward a major, nor No. 1 toward a minor.

1. BEGINNING GERMAN. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors five hours' credit only. No credit for a single semester. *Three hours.* 1916-17.

2a. ELEMENTARY GERMAN. Rapid reading of German of medium difficulty; grammar; dictation; and oral exercises. No credit for a single semester. Prerequisite, German 1, or its equivalent. *Three hours.*

2b. ELEMENTARY GERMAN. Oral and written composition; grammar review. Prerequisite, German 1, or its equivalent. *Two hours.*

3. INTERMEDIATE GERMAN. Intensive and extensive reading of modern German prose and poetry; systematic vocabulary drill; word formation; elementary etymology; grammar; and oral exercises. No credit for a single semester. Prerequisite, German 2a. Those who have passed high school second year German with a standing of 85 per cent or better may take the course. *Three hours.*

4a. NINETEENTH CENTURY FICTION. Literary study of fiction; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, German 2b and 3. *Three hours. I.* 1917-18.

4b. NINETEENTH CENTURY POETRY. Literary study of the lyric poetry; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, German 2b and 3. *Three hours. II.*

4c. NINETEENTH CENTURY DRAMA. Literary study of the drama of the last century; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, German 2b and 3. *Three hours. II.* 1917-18.

5a. HISTORY OF GERMAN LITERATURE. An introduction to the study of the history of German literature, particular emphasis being laid upon the two classic periods of the twelfth and eighteenth centuries. For juniors and seniors. *Three hours.* 1916-17.

5b. HISTORICAL PROSE. Readings and lectures on important periods and characters in German history. For juniors and seniors. *Three hours.*

5c. SCHILLER AND GOETHE. An introduction to the masterpieces of these poets. Among Schiller's works Maria Stuart or Wallenstein will be studied intensively, among Goethe's, some of the best poems, and Faust. Lectures, recitations, reports, composition, word-study. For juniors and seniors. *Three hours.*

6. TEACHERS' COURSE. Introduction to the history of the German language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. GERMAN PRONUNCIATION. Much practice of German sounds, in class and out; detailed study of vocal organs and sound production; phonetics; lectures on German dialects. *One hour. I.*

GREEK

Professor Hart

Professor Whitford

1. BEGINNING GREEK. Beginner's Greek Book; Xenophon (Anabasis); Prose Composition. This course may be elected during the second semester by students who present one year of Greek at admission to College. It may not be counted toward a major nor toward a minor. *Four hours.*

2. GREEK LITERATURE. Homer (Iliad, Odyssey); Euripides (Medea). The finest portions of the Iliad will be read the first semester; the second semester will be devoted to reading the more interesting parts of the Odyssey, and to the study of a tragedy by Euripides. Prerequisite, Greek 1 or its equivalent. *Three hours.*

3. GREEK LITERATURE. Lysias (selected orations); Plato (Apology, Crito, and closing chapters of the Phædo); Elegiac, Iambic, and Lyric Poets (selections); Sophocles (Antigone). The work of the first part of the year centers about the life, personality, and influence of Socrates. In the latter part of the year the development of poetry from Homer and the epic to Sophocles and the Drama is traced. Prerequisite, Greek 2, or three years of preparatory Greek. *Three hours.*

4. GREEK DRAMA. Æschylus (Prometheus Bound, Agamemnon); Sophocles (Œdipus Tyrannus); Euripides (Bacchæ); Aristophanes (Acharnians, Birds). Lectures are given on the Greek theatre and the development of the Greek drama and its relation to modern drama. *Three hours.* 1918-19.

5. GREEK LITERATURE. Selections from the Greek Historians I; Demosthenes (On the Crown) II. 1917-1918.

6. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. It should be valuable to those intending to teach English literature. Wright's Greek Literature will be used as a basis for the course. *Two hours.* 1917-18.

7. NEW TESTAMENT. GOSPEL ACCORDING TO MATTHEW. Portions of this gospel are read with attention to the point of view of this author. The deviations from classical usage in grammar and syntax are noted. *Two hours.*

8. NEW TESTAMENT. EPISTLE TO THE ROMANS. The first eleven chapters are read with attention to the line of Paul's argument. *Two hours.*

HISTORY AND POLITICAL SCIENCE

A. History

Professor Norwood

Mr. Bliss

1. HISTORY OF WESTERN EUROPE, 376 TO 1648 A. D. A general survey of the history of christendom from the eve of the Middle Ages to the peace of Westphalia. Emphasis will be placed on the life of the times, the conditions out of which medieval institutions grew, and the importance of the period as a seed time for modern civilization. Lectures, text-book, map-work, readings, discussions and topic work. Required course for freshmen. No credit given for a single semester. *Three hours.*

2. HISTORY OF MODERN EUROPE, 1648-1815. The period 1648-1789 will be studied as a preface to the French Revolution, which, with the Napoleonic wars, will receive chief attention during the course. Lectures, text-book, readings, discussions. *Two hours. I. 1917-18.*

3. EUROPE SINCE 1815. Reconstruction after Napoleon; reaction; the stand-pat diplomacy; revolutions of 1830 and 1848; the Crimean war; unification of Italy; formation of the German Empire; the eastern question; The Balkan Wars, The Great War. Continuation of course 2. *Two hours. II. 1917-18.*

4. ENGLAND UNDER THE TUDORS AND STUARTS, 1485-1688. The revival of the monarchy; the break with Rome; the Marian reaction; Elizabeth and national feeling; the contest with Spain; the puritans; king and parliament; the commonwealth; the restoration; and the revolution of 1688. Lectures, text-book, discussions. *Two hours. I. 1916-17.*

5. BRITAIN AND GREATER BRITAIN SINCE 1688. William of Orange; the war of the Spanish Succession; the age of Walpole; the struggle for commercial and colonial supremacy; American independence; the industrial revolution; the French Revolution and the Napoleonic wars; parliamentary reform; the growth of democracy; social and industrial problems; growth of the imperial idea; the fiscal and constitutional crisis of 1909-1911; home rule, England and the Great War. A continuation of course 2. *Two hours. II. 1916-17.*

6. AMERICAN COLONIAL AND REVOLUTIONARY HISTORY. European background; discovery and colonization; rivalry of French and English; colonial development; social and religious life; revolution and independence. Prerequisite, course 1. *Three hours. I. 1917-18.*

7. GROWTH OF AMERICAN NATIONALITY. The critical period; adoption of the constitution; rise and fall of the federalist party; social, political, and constitutional development; westward expansion; the slavery question; causes of the Civil War. Prerequisite, course 6. *Three hours. II. 1917-18.*

8. CIVIL WAR AND RECONSTRUCTION, 1860-1877. A topical consideration of the larger problems of this strenuous period. A good knowledge of the course of events will

be presupposed. Not open to lowerclassmen. Lectures, text-book, readings and discussions. *Three hours. I. 1916-17.*

9. AMERICAN HISTORY SINCE RECONSTRUCTION. 1877-1917. A study of recent American problems—financial, monetary, industrial, political, diplomatic, colonial and constitutional—in their historical relations. Continues course 8; open to the same class of students and conducted in the same manner. *Three hours. II. 1916-17.*

10. PRO-SEMINAR IN AMERICAN HISTORY. The object of this course is to give the student an introduction to the rudiments of historical investigation. After preliminary lectures on the elements of historical criticism and bibliography, topics will be assigned for exhaustive investigations in some narrow field of recent American history. Open to qualified juniors and seniors. *Two hours. II. 1917-18.*

B. Political Science

1. AMERICAN POLITICS. In this course the mechanism of our federal, state and local governments will be considered as far as time will permit. Especial emphasis, however, will be placed on the actual working of the government and on current politics, as inducements to students to take an intelligent interest in public affairs. Considerable newspaper and other reading will be required. For juniors and seniors. *Two hours. I.*

2. CONSTITUTIONAL LAW. The work of this course consists of text-book study and a careful reading and discussion of a considerable number of selected cases appropriate to the field. Its chief object is to develop a clear, general understanding of the evolution and present status of the relation between the states and the federal government in our political system. *Two hours. II. 1917-18.*

3. INTERNATIONAL LAW. This course will include a brief survey of the history of International Law; the basis of law; rules governing international relations in peace and war; leading cases in the field; the contributions of the United States to the development of the law of nations; the Hague Conferences, and the recent changes in the law; the spirit of international relations; and questions growing out of the present war. Text-book, readings, and discussions. For juniors and seniors. *Two hours. II. 1916-17.*

C. Economics

1. **ECONOMICS.** General introductory survey of the field of economics. The laws of production, distribution, exchange, and consumption are studied, together with a brief consideration of the problems of the science as they appear in modern industrial society. For juniors and seniors. *Three hours. I.*

2. **CORPORATIONS.** A study of the business corporation in its various aspects—political, financial, social, economic, etc. Several books will be used as texts in connection with the course, and their contents discussed and criticized in class. Prerequisite, course 1. *Three hours. II. 1916-17.*

3. **MONEY AND BANKING.** After a study of monetary theory, the theory of banking and the problems of money and banking will be taken up. Special emphasis will be placed on American monetary and banking experience and problems. The work of the National Monetary Commission and the new currency law will be considered toward the end of the term, and some attention will be given to the subject of foreign banking systems and foreign exchange. Prerequisite, course 1. *Three hours. II. 1917-18.*

INDUSTRIAL MECHANICS

Professor Crandall

The purpose of the founders of this department was to provide an opportunity for obtaining a ground work for successful professional study in any of the mechanic arts; architecture, civil, mechanical or electrical engineering. It is possible for a student graduating from the scientific course to enter the technical and professional schools with advanced standing, providing he elect his major and minor from the departments of Industrial Mechanics, Physics and Mathematics as well as choosing his free electives from these and related departments. It is desirable that such students should present for entrance at least one year's work in wood-working and one in drafting.

1. **ELEMENTARY DRAFTING.** Open to all regular and special students of the college. Elementary principles, geometric problems, projections, etc. *Two hours, counting one and one-half hours.*

2. **ADVANCED DRAFTING.** Open to those who have completed the first year's work and solid geometry. Descriptive geometry, shades, shadows, and perspectives, with their applications. *Two hours, counting one and one-half hours.*

3. **DESCRIPTIVE GEOMETRY** is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows, and perspective, all developed according to mathematical principles. *Two hours.*

4. **MACHINE OR ARCHITECTURAL DRAFTING.** Prerequisites, courses 1, 2, and 3. This course develops complete sets of working drawings, including bills of materials and estimates of either machine, architectural, or manual training subjects as the student may elect. *Two hours, counting one and one-half hours.*

5. **WOOD-WORKING.** This is an elementary course open to all students of the university. The purpose is to teach the students the intelligent use of the more common hand tools used in the shop, the care and the proper methods of sharpening them, and the correct method of making the principal joints used in carpentry and cabinet-making. As soon as each kind of joint is thoroughly understood, the student is taught its practical use in making a piece of furniture or apparatus. Special stress is placed on accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. *Two hours, counting one hour.*

6. **PATTERN-MAKING.** Prerequisite, course 5 or its equivalent. This course aims to give the student the elements of practical wood pattern-making. Each article made is to be a practical pattern which may be successfully cast in any foundry. The work is made very technical so that the student may become acquainted with actual shop methods so far as it is possible in a school shop. Accuracy and first-class workmanship are essential for success in this course. *Two hours, counting one and one-half hours.*

7. **FORGING.** Prerequisites, courses 5 and 6, or their equivalent. A practical course in the drawing, welding, and bending of iron for any purpose. The management of the fire and the forge is considered of first importance in this course. A large variety of articles in both iron and steel is made during the year, the work in steel coming the latter part of the year. Such tools are made from steel as cold chisels, lathe and planer tools, and special tools for special purposes. At frequent intervals during the year lectures and demonstrations are given on such subjects as the structure and manufacture of steel and iron, welding compounds, commercial shop methods, tempering, annealing, etc. *Two hours, counting one hour.*

8. **MACHINE SHOP PRACTICE.** Prerequisites, courses 5 and 6, or their equivalent. This course consists of exercises in chipping, filing, and fitting, lathe and planer work, and operations on the drill press. Skill in manipulation is not sought so much as a working knowledge of methods, a familiarity with the limitations and possibilities of the tools, and a greater insight into the practical, productive, and commercial side of shop methods and management. To this end, occasional lectures are given throughout the year on such subjects as commercial machine shop methods, time keeping systems, piece-work and premium plans, cost keeping, and stock room management. *Two hours, counting one and one-half hours.*

The following courses aim to prepare students for teaching manual training in the public schools. It is expected that students electing to take these courses will take the prescribed work in Education, and courses in drawing, modeling, and design.

9. **ELEMENTARY MANUAL TRAINING.** This is a course for those who wish to teach in the elementary school. It covers the work of the first four years, and includes the manipulation of paper, cardboard, cord, raffia, reed, thin wood, etc. The instruction is given by lectures and work in the laboratory. *Three hours.*

10. **HISTORY AND DEVELOPMENT OF MANUAL TRAINING.** This is a study of the beginning of manual training in the time of Pestalozzi and Froebel, and its progress and de-

velopment down to the present time. Lectures, recitations, and outside reading with papers and discussions. *Two hours.*

11. WOODWORKING AND DRAFTING. Prerequisites, courses 1 and 5. This course aims to prepare students for teaching manual training in the high schools. It includes, besides the shop and drafting room, work especially planned for manual training teachers, the planning of courses, methods of teaching shop and drafting room work, a study of woods and their growth, the preparation of lumber, etc. *Two hours.*

12. CABINET AND PATTERN MAKING. Prerequisite, course 11. This course takes up the work for the last two years of the high school, and inclines toward vocational education. The work includes wood turning, finishing for cabinet and pattern makers, design as applied to furniture, etc. Outside reading, with papers, discussions, demonstrations and practice teaching is required. *Two hours.*

LATIN

Professor Hart

To train students to read Latin with ease is the chief aim of the instruction in the freshman year. In the later work larger interests prevail. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

Students majoring in Latin will find it to their advantage to take courses in Greek, Modern Languages, English and Philosophy. Those who expect to be recommended as teachers of Latin should take all the courses offered in the department and at least two years of Greek.

A. Latin Literature. Cicero (Selected orations) I; Vergil (*Æneid* I-VI) II. This course may not be counted toward a major nor toward a minor. Prerequisite, two years of Latin in the high school. *Four hours.*

1. LATIN LITERATURE. Selections from the Roman historians; Cicero (*De Senectute* or *De Amicitia*); Horace (*Odes* and *Epodes*). Collateral readings in Roman history

and in the history of Latin literature are required. Prerequisite, Latin A, or its equivalent. *Three hours.*

2. **LATIN LITERATURE.** Horace (Satires); Juvenal (Satires); Pliny (selected letters); Martial (selected epigrams). The works of the authors named are read, not only with reference to their literary value, but also for the light which they shed on public and private life in ancient Rome. Prerequisite, Latin 1.

3. **LATIN LITERATURE.** Tacitus (Germania, Agricola), I; Latin Elegiac Poetry II. In the *first semester* two works of great historical interest are read, Tacitus' treatise on the early Germans, and his biography of Agricola, a Roman general in Britain. The *second semester* is devoted to a study of the Latin elegy, particularly the poems of Tibullus, Propertius, and Ovid, and its relation to Alexandrine poetry. Either semester may be taken as a half-course. Prerequisite, Latin 1. *Three hours.* 1918-19.

4. **LATIN LITERATURE.** Vergil (Eclogues, Georgics, and Æneid VII-XII) I; Plautus, Terence (selected comedies) II. Either semester may be taken as a half-course. Prerequisite, Latin 1. *Three hours.* 1917-18.

5. **LATIN COMPOSITION.** This course is designed for freshmen and other students who have studied Latin writing only in the preparatory course. *Two hours.*

6. **THE PRIVATE LIFE OF THE ROMANS.** The purpose of this course is to give by lectures, assigned readings, and a study of ancient representations as complete a knowledge as possible of Roman private life. Each student is expected to make two reports on special topics. No knowledge of Latin is required for this course. *Two hours.* 1918-19.

LIBRARY ECONOMY

Professor Clawson

1. **GENERAL REFERENCE.** This course is designed to give the student an adequate working knowledge of the library and library usage. It consists of lectures on the proper usage of the library and reading room; on the use and care of books, newspapers and periodicals; on the classification and arrangement of books;

on the card catalogue, with instruction in its use; on the scope and use of dictionaries, encyclopedias, periodical indexes, government documents and other works of reference, with practical exercises applying the principles and methods discussed. The preparation of reference lists on assigned topics, and an original bibliography will be required as a part of the course. Open to all students; especially recommended for freshmen. *One hour.* No credit given for single semester.

MATHEMATICS

Dean Kenyon

The aim of the work offered in this department is to present the practical uses and applications of the subjects taught, and to develop the powers of the student to think clearly, to reason logically, and to express himself accurately and concisely.

1. SOLID GEOMETRY. Lines and planes in space, polyhedrons, cylinders, cones, and spheres, with numerous original exercises. *Freshman year. Three hours. I.*

2. PLANE TRIGONOMETRY. The solution of the right triangle, the oblique triangle, and the regular polygon, as well as the development and discussion of the principal trigonometrical formulas, and the solution of original exercises. *Freshman year. Three hours. II.*

3. SPHERICAL TRIGONOMETRY. The solution of right and oblique spherical triangles, the development of formulas, and various practical applications and original exercises. *Two hours. I.*

4. ALGEBRA. Radicals and quadratics in review, ratio, proportion, progressions, permutations, combinations, undetermined coefficients, series, binomial theorem, differential method, logarithms, and theory of equations. *Three hours.*

5. ANALYTIC GEOMETRY. Loci, the straight line, circle, parabola, ellipse, hyperbola, and higher plane curves. *Three hours.*

6. CALCULUS. Elements of calculus including differentiation, integration, maxima and minima, plane curves, areas, and applications to mechanics and astronomy. *Three hours.*
1918-19.

7. **SURVEYING.** Recitations supplemented by lectures and field practice with the compass, transit, level, and other surveying instruments. Attention is given to the best forms of keeping field notes of surveys, writing descriptions, plotting, computing, and proving work. *Two hours.*

PHILOSOPHY AND EDUCATION

A. Education

Professor Clarke

Mr. Willson

The courses in this department are arranged to meet in full the requirements of the State Department of Education for the College Graduate Professional Certificate, which, without further examination, qualifies the holder to teach in any school of the state.

Courses 1, 3, and 4, with their prerequisites, fulfill the requirements for the teacher's certificate. It is desirable for the student who chooses teaching as a profession to elect liberally from the remaining courses.

1. **EDUCATIONAL PSYCHOLOGY.** Application of the principles of general psychology to the educative process; the special psychology of practice, interest, work, fatigue, individual differences. The psychology of adolescence and of the more important high school subjects is emphasized. Prerequisite, Psychology 1. *Two hours. II.*

2. **CHILD STUDY.** A study of the physical and mental development of normal childhood and adolescence, planned to meet the needs of those who are interested in the training of children, whether as teachers or otherwise. Prerequisite, Psychology 1. *Two hours. I.*

3. **HISTORY OF EDUCATION.** A historical survey of the evolution of our present educational aims, methods, curricula, and school systems, aiming to develop a clear idea of the meaning and function of education. Prerequisite, Psychology 1. *Two hours.*

4. **PRINCIPLES OF EDUCATION.** Combines the establishment of the fundamental principles upon which a working theory of education may be based, and the study of teaching,

method, and class-room management. Reading, class and roundtable discussion, preparation and criticism of lesson plans, observation of high school classes, and the preparation by each student of a paper embodying the results of intensive study of special methods of teaching his major subject. Prerequisites, Psychology 1 and Education 3. *Three hours.*

5. HIGH SCHOOL ADMINISTRATION. A study, from the point of view of the principal and the teachers, of the problems of organization and management of the high school, considering (1) relation to community conditions, needs, and aims, (2) prospective life careers of the students, (3) the material equipment and support of the school, and (4) the co-operation of teaching and supervising staff and the controlling board. Open to Juniors and Seniors. *Two hours.*
II. 1916-17.

6. PRACTICE TEACHING. The course consists of ten weeks consecutive teaching of a class in a local secondary school preceded by five weeks observation of the same class. The pupil teacher has the benefit of the class teacher's criticism and the general supervision of the Educational Department. Open only to seniors whose previous work in the department gives promise of professional success, and who have in addition the recommendation of the departments responsible for the subjects which they expect to teach. *Two hours. I or II.*

7. RELIGIOUS EDUCATION OF THE CHILD. Offered by the department conjointly with President Davis, and Dean Main of the Theological Seminary. Open to juniors and seniors and interested members of the community such as parents and teachers, who may care to register for the course. In no sense sectarian. Its aim is to meet the problem of the early religious education of the child in such a way that there may be nothing to unlearn in his later contact with science and philosophy, thus avoiding the danger of a break in experience or a violent religious reconstruction. *One hour. I. 1917-18.*

8. SOCIAL PHASES OF EDUCATION. An interpretation of the factors and processes of education in terms of their social meaning and function. *Two hours. II.*

For other special "Teacher's Courses" see Biology 8 and 9, French 6 and German 6.

For the education of subnormal children, see Psychology 6.

B. Philosophy

Professor Clarke

Psychology 1 is the prerequisite to the courses in Philosophy. Students are advised to consult the instructor before making elections.

1. INTRODUCTION TO PHILOSOPHY. (1) A study of the fundamental problems of philosophy as related to the unifying of individual experience and knowledge. (2) A brief survey of the history of human thought showing at different periods the relation of social conditions and the state of scientific knowledge to the dominant problems and their attempted solutions. (3) Contemporary tendencies in philosophic thought. *Three hours.*

2. PHILOSOPHY IN ENGLISH LITERATURE OF THE NINETEENTH CENTURY. Philosophic thought as reflected in the writings of Wordsworth, Carlyle, Emerson, Tennyson, Browning, Arnold. Prerequisite, English 6. Philosophy 1 should precede or parallel the course; English 9 and 10 are advised as preliminary or parallel. *Two hours. II.*

C. Psychology

Mr. Willson

1. ELEMENTARY PSYCHOLOGY AND LOGIC. A study is made of the nature and conditions of consciousness, the normal forms which it assumes, the laws which govern it, and its relation to behavior. This general survey is followed by a more detailed examination into the mental factors involved in reasoning, inductive and deductive. The fallacies to which such reasoning is exposed and statistical methods for compiling data are taken up here. The student is encouraged to make constant application of his knowledge in the interpretation and control of his own life of thought, feeling, and action, and in the critical estimation of the attitudes and inferences of others. Required of Sophomores. This course may not be counted toward a major. *Two hours.*

2. APPLIED PSYCHOLOGY. A survey is offered of the more important practical applications of psychology as thus far developed. The psychology of advertising and of mental and industrial efficiency find a place here. Especial attention will be given to the uses of mental tests in education and in the vocations and to practical experience in using these tests. Prerequisite, Psychology 1. *Two hours. I.*

3. MENTAL HYGIENE. The nature of the various neuroses and insanities will be considered with special reference to their possible prevention. The Freudian theory of the origin and influence of the subconscious finds a place here. Personal efficiency and mental hygiene will be stressed. Psychology I should precede or parallel this course. *Two hours. II.*

4. EXPERIMENTAL PSYCHOLOGY, SENSE PROCESSES. This course and the one following it are aimed primarily to familiarize the student with laboratory methods in general psychology and set forth representative results which have been obtained in the various fields. This course will consist of a study of the psychological laws of sense processes and the functioning of sense material in perception and judgment. Prerequisite, Psychology 1. Two recitation periods and one two-hour laboratory period per week. *Three hours. I.*

5. EXPERIMENTAL PSYCHOLOGY, MEMORY AND THOUGHT PROCESS. A study of association, retention, recall, imagery, reaction time, practice, transfer of training, etc. Special attention will be given to experimental results in each field. Individual research on a specially chosen problem will be carried on by each pupil during the latter half of the semester. Prerequisite, Psychology 1. Two recitations and one two-hour laboratory period per week. *Three hours. II.*

6. THE DIAGNOSIS AND TREATMENT OF BACKWARD AND FEEBLEMINDED CHILDREN. A study of the causes and the mental and physical symptoms of degeneracy, methods of diagnosis, mental tests, and the education of the subnormal child. Neurotic tendencies, epilepsy, and the influences of diseases and injuries on the normal development of the child find a place here. A valuable course for the prospective

teacher, physician, or social worker. Prerequisite, Psychology 1. *Two hours. I.*

D. Sociology

Professor Clarke

1. THE SOCIAL FUNCTION OF COLLEGE EDUCATION. A survey of collegiate opportunities in the light of individual and social needs. A study will be made of the purpose and function of the various subjects offered by the college curriculum in their bearings upon personal development and upon vocation. Attention will also be given to improving the student's methods of study and to other problems incident to his adjustment to college life. Required of all Freshmen. This course may not be counted toward a major. *One hour. I.*

2. CONTEMPORARY SOCIAL PROBLEMS. A study of sociological subjects of present interest, such as the modern family, industry, poverty, crime, degeneracy, immigration, feminism, etc. Each student is required to prepare a paper based upon intensive study of some specific problem. Open to Sophomores. This course may not be counted toward a major. *Two hours. 1917-18.*

3. PRINCIPLES OF SOCIOLOGY. Deals with the nature and laws of human society, the primary social factors, social groupings, and the process of social evolution which has produced our present society. Course 2 should precede this if possible. *Two hours. 1916-17.*

4. COMMUNITY RECREATION. The place of recreation, (leisure-time interests and activities) in individual and community life. The relations of recreation with community welfare, family life, education, industry, and religion. Its relation to personal and community degeneracy and crime. Commercialized recreation and community provision for recreation. The community center and the playground movements. How some communities are meeting their recreation needs. Community programs for recreation, pageantry, music, art, field days, playgrounds, athletic contests and tournaments, etc. Sources of literature and materials. Open to sophomores but preferable for juniors and seniors. *Two hours. I. 1917-18.*

PHYSICAL TRAINING

Mr. Fiske

Mr. Sweetland

The aim of this department is to bring the body into a condition of health and strength and to develop self-reliance, co-ordination of muscular effort and grace and precision of movement.

1. PHYSICAL TRAINING. A course intended to interest students in physical training and to form in them right habits of exercise and hygienic living. Vital and physical examinations will be given and exercises prescribed. Course open to all college students. Freshman year, *Two hours*. Sophomore year, *Two hours*.

(a) INDOOR WORK. Lectures and readings in hygiene and the physiology of exercise. Gymnasium work including marching, calisthenics, and exercises on light and heavy apparatus and games. From Thanksgiving to the spring recess.

(b) OUTDOOR WORK. Track and field athletics and games suited to the season and class. Fall and spring.

*PHYSICS

Professor Waldo A. Titsworth

Mr. Saunders

1a. GENERAL PHYSICS. A course in general physics for those who have had high school physics, although persons who have not had the high school preparation may be admitted to the class. The student should have studied algebra, plane geometry and plane trigonometry. Special emphasis is laid on the application of principles studied in this course to natural phenomena and the common occurrences of daily life. The lectures are illustrated by demonstrations as far as possible. It is expected that the laboratory course

* Those who take a major in Physics will count as required work, Solid Geometry and Plane Trigonometry. Calculus should be taken as early in the course as possible.

1b will be taken in connection with this course. First semester, mechanics and heat; second semester, magnetism, electricity, light and sound. *Three hours.*

1b. GENERAL PHYSICS LABORATORY. This course is planned to accompany course 1a, but will be open to any who have had a lecture course in general college physics without the corresponding laboratory work. Typical experiments illustrating the principles of physics are performed by the student in a well equipped laboratory. Experiments will also be written up in the laboratory. Nearly thirty experiments will be performed during the year. Two double laboratory periods a week. *Two hours.*

2. ADVANCED LABORATORY COURSE. Open to students who have completed the work in course 1b. This course will cover a series of more advanced experiments in general physics, and will be subject somewhat to the wants of the individual student. One double laboratory period a week. *One hour.*

3a. LIGHT AND HEAT. An advanced course in these subjects following some standard texts such as Edser's. Open to those who have had course 1. *Three hours. I.*

3b. MAGNETISM AND ELECTRICITY. An advanced course in these subjects open to students who have had course 1. The work will be somewhat technical before the close of the semester. *Three hours. II.*

4. ELECTRICAL MEASUREMENTS. Laboratory course accompanying Physics 3b. *Two hours.* This course is required of major students.

PUBLIC SPEAKING

Miss Weed

1. ELEMENTARY PUBLIC SPEAKING. Principles of Voice and Gesture, with application of the same in the interpretation of literary and dramatic classics. Development of poise and individuality before an audience. Systematic analysis of thought processes as revealed through the spoken word. First principles of impersonation with practice in

pantomime. Correction of vocal defects and personal mannerisms. A careful study of masterpieces from Shakespeare, Browning, Tennyson, etc. This course covers one college year. *Two hours.*

2. **ADVANCED PUBLIC SPEAKING.** Continued application of the principles of Voice and Gesture. Impersonation of scenes from plays. Interpretation of poetry, the oration, and the short story. Stage business for theatricals. Careful drill on selections of the student's choice. This course covers one college year. A Certificate of Proficiency may be issued upon the student's satisfactory completion of the two years' course. *Two hours.*

RELIGIOUS EDUCATION

Alfred Theological Seminary offers twelve courses to college students of which a minimum of sixteen hours may constitute a major in Religious Education. Students majoring in this department should elect as collateral work physiology, educational psychology, child study, and public speaking. (For more extended description of the courses in this department see catalogue of Alfred Theological Seminary.)

1. Life of Christ. *Two hours.*
2. Apostolic Age. *Two hours.*
3. History of the Church. *Two hours.*
4. Ethics of Jesus. *Two hours.*
5. Religious Teachings of Jesus. *Three hours.*
6. Rural Sociology. *Two hours.*
7. Religious Pedagogy. *Two hours.*
8. Teaching of the Christian Religion. *Two hours.*
9. Philosophy of Religion. *Two hours.*
10. Biblical Introduction. *Two hours.*
11. Religious Teachings of the Old Testament. *Two hours.*
12. Priestly Element in the Old Testament. *Four hours.*

ROMANCE LANGUAGES

Professor Paul E. Titsworth

Mr. Mix

Mr. Llinas

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach French should take all the work offered in it, and those looking forward to possible graduate study in the same should take *at least* freshman Latin.

French courses, Nos. 1, and 2a, cannot be counted toward a major, nor No. 1 toward a minor.

A. French

1. BEGINNING FRENCH. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors five hours' credit only. No credit for a single semester. *Three hours.* 1917-18.

2a. ELEMENTARY FRENCH. Rapid reading of French of medium difficulty; grammar; dictation; and oral exercises. No credit for a single semester. Prerequisite, French 1 or its equivalent. *Three hours.*

2b. ELEMENTARY FRENCH. Oral and written composition, grammar review. Prerequisite, French 1 or its equivalent. *Two hours.* 1917-18.

3. INTERMEDIATE FRENCH. Intensive and extensive reading of modern French prose and poetry; systematic vocabulary drill; word-formation; elementary etymology;

grammar; and oral exercises. No credit given for one semester. Prerequisite, French 2a. Those who have passed high school second year French with a standing of 85 per cent or better may take this course. *Three hours.*

4a. NINETEENTH CENTURY FICTION. Literary study of fiction; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2b and 3. *Three hours. I. 1917-18.*

4b. NINETEENTH CENTURY POETRY. Literary study of the lyric poetry; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2b and 3. *Three hours. II. 1916-17.*

4c. NINETEENTH CENTURY DRAMA. Literary study of the drama of last century; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2b and 3. *Three hours. II. 1917-18.*

5a. HISTORY OF FRENCH LITERATURE. An introduction to the study of French literature. For juniors and seniors. *1917-18.*

5b. MOLIERE. An intensive study of the life and works of Moliere. Lectures, assigned readings and reports. *Three hours. I. 1916-17.*

6. TEACHERS' COURSE. Introduction to the history of the French language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. FRENCH PRONUNCIATION. Parallel to German 6a. *One hour. II.*

B. Spanish

1. BEGINNING SPANISH. The essentials of grammar; oral and written composition; pronunciation, and translation. No credit for a single semester. *Three hours. 1916-17*

2. ELEMENTARY SPANISH. Study of recent narrative writings. Rapid reading of selections from Galdos, Ibanez, Bazan, Valera, and others. *Don Quixote* in English translation is required as outside reading. *Three hours. 1916-17.*

Department of Music

Ray Winthrop Wingate, Director—Professor of Vocal Music

Clarence F. Read, Instructor of Piano

The Department of Music offers courses in the practical and theoretical study of music, and is designed to fit students for the profession as artists, theorists, teachers or critics.

The general plan is twofold:

First—To give an opportunity to those who desire to make a serious study of music with a view to a professional career.

Second—To offer instruction to those who wish to specialize in some branch for their own personal satisfaction.

Courses of Instruction

At the present time four branches are offered: piano, voice, organ and stringed instruments, besides an extended course in harmony, theory and history of music.

These courses lead to a certificate of merit, a diploma of graduation, and a post-graduate course diploma.

Piano

The application of selected studies for overcoming difficulties, the study of memorizing for analytical insight, the study of interpretation for artistic performance, and, in general, the gradual development by means of modern technique, are the methods used in this department for the training of the student. An intellectual understanding of a composition and the artistic interpretation will be the result of the application of these principles. *Two hours credit for one semester's work.*

The courses in Piano are as follows :

PIANO 1. The New England Conservatory Course, grade 1, with 1st grade pieces.

PIANO 2. New England Conservatory Course, grade 2, and selections from the Etudes of Kohler, Lemoine, Duvernoy, Burgmuller and Brauer, together with 2d grade pieces.

PIANO 3. Selections from the Etudes of Berens, LeCouppey, Krause, Czerny and Jensen from the 2 Part Inventions of Bach, together with 3d grade pieces.

PIANO 4. Selections from the studies of Cramer and from the 3 Part Inventions of Bach. Scales, arpeggios, and double thirds in all keys. 4th grade pieces.

PIANO 5. Selected studies from Czerny op. 740 and the Gradus ad Parnassum of Clementi, together with 5th grade pieces.

PIANO 6. Selections from the Preludes of Chopin, Etudes of Moscheles, op. 70, Preludes and Fugues of Bach, Etudes of Chopin, of Liszt, and of other composers. One or more concertos selected from the works of Beethoven, Schumann, Chopin, Liszt, Tschaikowsky, Grieg and St. Saens. 6th grade pieces.

PIANO 7. (Post-graduate). The most difficult pianoforte music, comprising selections from the works of Beethoven, Schumann, Chopin and Liszt, and from the works of Claude Debussy, Vincent D'Indy and Gabriel Faure of the Modern French School, together with the most difficult pianoforte concertos.

Methods for producing refined tone, phrasing, and pedalling are taught in all of the piano courses.

Voice

Here the work demands a study of pure and resonant vocal sounds, to develop the capacity for producing such tones, to strengthen the voice and extend the range. The ear is a very great factor in the vocal world—thus it must also be trained. If started at an early age the great majority, contrary to the commonly accepted idea, could learn to sing and cultivate the art of singing. *One hour credit for one semester's work.*

Preparatory Course

Fundamental principles of voice building. Position while singing, natural methods of breathing, vowel studies and tone placement.

Easy songs by composers of the old classical school. Studies and vocalizations by Garcia and Panofka.

Intermediate Course

Sight reading and ear training; vocalizations for enunciation and phrasing; studies from Panofka, Concone, and Garcia. Selected songs from the old Italian school.

Advanced Course

Phrasing and coloring of tone. Artistic interpretation; songs from the English and Italian composers of the modern school. Studies from Mazzoni, Lieber, Vaccai, etc.

Post-Graduate Course

For students who desire further knowledge of the art either as teacher or advanced soloist. Songs of both sacred and secular nature. Arias from the standard operas and oratorios. Songs from the modern composers of the French, German and Italian schools, special stress being laid on diction and interpretation.

Organ

The completion of the elementary grade of the piano course is required for admission to the organ course. This course is designed especially to provide a thorough and complete education as a choir master and organist.

It consists of the study of manuals, manual touch, easy registrations, pedal playing, compositions for church service and concert performance, choir training, etc.

Harmony

1. Fundamental principles of harmony, origin and development of the major and minor scales and intervals; chords and their inversions, circle of major and relative minor keys; ear training, harmonizing melodies, modulation.
First quarter.

2. Dominant seventh, ninth, eleventh and thirteenth chords, altered and dissonant chords, ear training and modulation, harmonizing, melodies, four part harmony, both major and minor. *Second quarter.*

3. Suspensions and retardations; changing and passing tones; modulations, key board modulation; pedal or organ point; original work in composition. *Third quarter.*

4. Vocal or open harmony; modulations, chords of five or more parts; practical application of harmonic principles in original work. Key board harmony. Original compositions. *Fourth quarter.*

The text-book used is that of George W. Chadwick, director of the New England Conservatory of Music. *Two hours credit for each semester.*

Theory

This course begins with the acoustics, vibrations and their governing laws; notation, orchestral instruments, musical forms, clefs, scale formulas, tempo marks, abbreviations in general use in music; analyzing song forms, fugues, sonatas, overtures, etc. The text-book used is that of Louis C. Elson. *One hour credit for one semester.*

History of Music

Origin and development of the music of ancient and oriental nations. History of the mass; oratorio, opera, symphony, sonata, overture; development of musical instruments; biographies of the great romantic, classic, and modern composers. *One hour credit for one semester.*

Teacher's Course for Supervisors and Teachers of Public School Music

The purpose of teaching music in the public schools is three-fold.

First—To enable the largest possible number of children to participate correctly and tunefully in the singing.

Second—By this means to develop in them a love and taste for good music.

Third—To teach as many of the principles and as much of the practice of sight singing as is possible under the circumstances.

This course is the course used at the New England Conservatory of Music by Samuel W. Cole. It begins with the very first day in school, presents all the difficult problems through all the grades and gives the student a thorough understanding of all the conditions that may arise.

Each student will have direct application of all the steps used in the class room by teaching the class as if it were composed, not of fellow students, but children. The ground is thoroughly covered from the first rote song to high school choruses and cantatas. *Two hour credit for one semester.*

All pupils who desire to graduate in The Public School Music course must have at least one semester of each of the following: Voice, Piano, Harmony, Theory, History of Music, Chorus and Solfeggio, plus the required course in Public School Music which takes *one semester*. This course may be completed in one year but it is earnestly recommended as a two year course for the best results.

The Department of Music receives each year a large number of inquiries for well equipped teachers in Public School Music. There are many positions as Supervisors of Music which demand well trained teachers. A large number of our recent graduates hold such positions.

A Certificate is given each student who satisfactorily completes this course. No student is allowed a recommendation to supervise and teach public school music without this certificate. In the majority of cases no examination is required of supervisors of music who are recommended by the Director of Music, to teach music in the public schools. The demand for teachers and supervisors is greater than the number that graduate. *Ten hours of observation in music classes is required.*

Solfeggio

This course consists of a thorough drill in sight singing and sight reading. Its aim is not only for one to be able to participate in musical composition at sight but to be able to read at sight, thus enabling one to follow another who is singing both tunefully and correctly. Solfeggio consists

of exercises for the voice according to the rules of solfaing. Ear training is a very important factor in Solfeggio, thus this course includes both ear training and sight singing. Pupils are trained to write, in correct notation, musical phrases which are played or sung to them, beginning with the simplest phrase and progressing until difficult melodies in either major or minor can be notated with ease. *One hour credit for one semester.*

Chorus

The university chorus, a large body consisting primarily of students but excluding none of the townspeople who can pass the required examination, is the greatest musical organization of the school. The chief aim is to give at least one of the productions of the great masters, in the line of oratorios, operettas, and cantatas. The chorus consists of over one hundred voices. This year the chorus will study Old and Modern Glee and a concert of glees will be given in the spring of 1917. *One hour credit for two semesters.* A small fee will be charged. The chorus presented the "Holy City" by Gaul twice in 1913, the "Wreck of The Hesperus" by Anderton and "Queen Esther" by Bradbury in 1914; Sullivan's "Prodigal Son," in 1915; "Paul Revere's Ride" by Busch in 1916.

Glee Club

The University Glee Club composed of sixteen of the best male voices has completed its first year with a marked success. About twenty concerts were given last year and the Easter vacation trip included New Jersey, eastern, southern and western New York. A concert tour is being arranged for this school year that will include Rhode Island. There were more than fifty applications for membership in September. Members are chosen by competition.

Orchestra

The university boasts of a fine orchestra which plays at all the large school functions and assists in the performances of advanced piano students in concerts, chorals and oratorios. *One hour credit for two semesters.*

Band

The aim of a band is to give the students who possess ability in band instruments an opportunity to make use of their talent. The band plays at all school meets such as mass meetings, foot-ball, base-ball and basket-ball games.

Recitals

Throughout the year recitals are given by members of the faculty and advanced students to which the public are cordially invited. No admission is charged.

Recitals are given once a month by the students before an audience of friends and fellow students. These recitals are not exhibitions, but are intended to give the pupil experience in public performing.

The school year in this department consists of four quarters of nine weeks each. It is earnestly requested that students register at the beginning of each term, but special students may enter at any time for private instruction.

Lessons, regularly assigned, if missed, cannot be made up, unless on account of illness and then only upon application to the instructor. Thus lost lessons are a loss to the pupil. Unavoidable lost lessons must be made up before the next quarter begins.

No student will be registered for less than a quarter's work, (nine lessons).

A thorough drill in stage deportment is given free to all registered students.

Students in the piano course before receiving a diploma must have at least two quarters of harmony, theory and history of music, solfeggio and chorus. In the vocal course at least two quarters each of piano, harmony, theory, solfeggio, chorus and history of music.

Practice pianos may be rented in the practice rooms at the rate of one dollar, per hour, per quarter.

Any of the above courses may be taken by students of the college as elective courses, for which they receive the given credit up to an amount not to exceed fourteen semester hours.

If sufficient demand be made by the students for other instruction than above offered the department will endeavor to secure the required instructors.

All instruction in piano, voice and organ is private; in all other subjects in class.

Harmony, theory, public school music and history of music students recite twice a week.

Tuition

Per Quarter (Nine Weeks)

Preparatory Course—

Voice, one lesson per week.....	\$ 9 00
Piano, one lesson per week.....	9 00
Two lessons per week.....	18 00

Post Graduate Course—

Voice, one lesson per week.....	11 00
Piano, one lesson per week.....	11 00
Two lessons per week.....	22 00
Organ, one lesson per week.....	9 00
Harmony, two lessons per week.....	10 00
Theory, two lessons per week.....	10 00
Music History, two lessons per week.....	10 00
Public School Music, two lessons per week.....	15 00
Solfeggio and Ear Training, two lessons per week..	10 00

Tuition is payable strictly in advance, unless otherwise arranged, at the office of the college treasurer.

Artist Concerts

The Music Department has given the students and townspeople two "Artist" song recitals this year: Lucy Marsh, the great lyric soprano on October 14, and Frederic Martin, "America's Basso," on November 27. During the year other equally noted artists will be heard here in concert.

Needy students, found worthy, may receive special assistance and partial free scholarships from the Director of Music.

Degrees Conferred

June 8, 1916

BACHELOR OF ARTS

Genevieve Cornelia Burdick <i>cum laude</i>	DeRuyter
Howard Frank Kirk	Maywood, Ill.

BACHELOR OF PHILOSOPHY

Ruth Brown <i>cum laude</i>	Utica
Earl Leslie Burdick	Belmont
Rachel Mae Burdick <i>cum laude</i>	Westerly, R. I.
Helen Ardoette Gardiner <i>cum laude</i>	Portville
Ethel Mae McLean <i>cum laude</i>	Moscow
Lowell Fitz Randolph	Alfred
Frances Olive Thomas	Niagara Falls
Mary Katryne Vander Veer	Dunellen, N. J.
Lucy Helen Whitford <i>magna cum laude</i>	Plainfield, N. J.
Eva Mary Williams	Wellsville
Ina Mae Withey <i>cum laude</i>	Allentown

BACHELOR OF SCIENCE

Ford Beverly Barnard	Corning
William Ernest Buck	Canisteo
Robert Alonzo Greene	Alfred
Horace Burlingame Griffiths	Burlington Flats
Elmer Leon Hunting <i>cum laude</i>	Plainfield, N. J.
Raymond Maure	Richmond Hill
Nina Eola Palmiter <i>cum laude</i>	Alfred Station

BACHELOR OF PHILOSOPHY IN CERAMICS

Abbie Susie Burdick	Alfred
Inez Lewis Cook <i>cum laude</i>	Waterville

BACHELOR OF SCIENCE IN CERAMICS

James Leroy Austin	Mexico
Leon Burdette Bassett	Alfred
Merrill Milton Groves <i>magna cum laude</i>	Brockwayville, Pa.

Honors

1915—1916

SENIORS

High Honors

Merrill Milton Groves

Lucy Helen Whitford

Honors

Ruth Brown

Elmer Leon Hunting

Genevieve Cornelia Burdick

Ethel Mae McLean

Rachel Mae Burdick

Nina Eola Palmiter

Inez Lewis Cook

Ina Mae Withey

Helen Ardoette Gardiner

Department Honors

Chemistry

James LeRoy Austin

Modern Languages

Rachel Mae Burdick

Ceramics and in Education

Inez Lewis Cook

Modern Languages

Helen Ardoette Gardiner

Ceramics and in History and

Merrill Milton Groves

Political Science

Mathematics and in History

Elmer Leon Hunting

and Political Science

English

Ethel Mae McLean

Mathematics

Nina Eola Palmiter

Special Honors in Modern

Lucy Helen Whitford

Languages

JUNIORS

Harold Christian Clausen

Mary Zulieka Richardson

Robert Morell Coon

Guy Lynn Rixford

Jessica Brocton Davis

Mary Emily Saunders

Stanton Hoffman Davis

Edward Earl Saunders

Marian Elliott

Mildred Taber

Gertrude Ford

Rose Anne Trenkle

Leona Ellsworth Hoffman

Dorothy Pauline Wells

Ellen Cleaver Holmes

Nellie Irene Wells

Hazel Lottie Perkins

Norman Jehiel Whitney

SOPHOMORES

Alice Marie Baker

Harold Siegrist Nash

Eli Roe Bartoo

Phyllis Palmer

Alice Augusta Cranston

Anna Cregan Savage

Laura Marguerite Keegan

Marian Enid White

Lawrence Meredith Maxson

The cup offered by the Twentieth Century Club to the one of the two lower classes making the highest scholastic average was awarded to the Sophomore Class.

FRESHMEN

Louisa Ackerly

Hazel Marie Humphreys

Dorothy Belle Baxter

Walter Alexander Kenyon

Wayland Harold Burdick

Adolph Ernest Meier

Earl John Burnett

Robert Ford Sherwood

Mary Louise Greene

Gertrude Lucy Wells

Register of Students

1916--1917

Graduate

Name	Residence	Course
Watson, Lloyd Raymond, A. M.	Alfred	Physics

Seniors

Anderson, Eunice Belle	Panama	Phil.
Ayars, Erling Eli	Alfred	*Sci.
Bliss, Hubert Donald	Bolivar	Phil.
Burdick, Sidney Devere	Little Genesee	Sci.
Clausen, Harold Christian	Binghamton	*Arts
Cobb, Martha Rebekah	Yonkers	Sci.
Coon, Robert Morell	Leonardsville	Sci.
Davis, Jessica Brocton	Alfred	Phil.
Davis, Stanton Hoffman	Alfred	Sci.
Elliott, Marian	Wellsville	Sci.
Ford, Gertrude	Garwin, Iowa	Phil.
Greene, Edward Falworth Rudiger	Alfred	Sci.
Hart, Genevieve Katherine	Corning	Phil.
Hoffman, Leona Ellsworth	Shiloh, N. J.	Phil.
Holmes, Ellen Cleaver	Alfred	Sci.
Hood, Mabel Estella	Hornell	Phil.
Kenyon, Myron Elwood	Westerly, R. I.	Sci.
King, Walter Francis	Alfred	*Sci.
Murdock, Burtis Rupert	Hornell	Phil.
Parker, Hazel	Wellsville	Sci.
Perkins, Ernest Herman	Hornell	Sci.
Perkins, Hazel Lottie	Rupert, Vt.	Clas.
Richardson, Mary Zulieka	Olean	Phil.
Rixford, Guy Lynn	Wellsville	*Arts
Saunders, Edward Earl	Alfred	Sci.
Saunders, Harold Briggs	Alfred	Sci.
Saunders, Mary Emily	Alfred	*Phil.
Sheppard, Mark, Jr.	Alfred	*Sci.
Sutton, Willard James	Hornell	*Sci.
Taber, Mildred	Buffalo	Phil.
Trenkle, Rose Anne	Portville	Phil.
Wells, Dorothy Pauline	Ashaway, R. I.	Phil.
Wells, Nellie Irene	Alfred	*Arts
White, Ernest H.	Leonardsville	Sci.
Whitney, Mildred Carolyn	Machias	Phil.
Whitney, Norman Jehiel	Machias	Phil.

*Ceramics.

Juniors

Name	Residence	Course
Babcock, Pauline Marie	Alfred	Phil.
Baker, Alice Marie	Corning	Phil.
Bartoo, Eli Roe	Harrison Valley, Pa.	Phil.
Blumenthal, George, Jr.	New York	*Eng.
Cottrell, Celia	Plainfield, N. J.	Clas.
Cranston, Alice Augusta	Bolivar	*Arts.
Crawford, George Eugene	Cameron Mills	*Eng.
Gaiss, Aloysius Joseph	Corning	Phil.
Harer, Ruth Charlotte	Corning	Phil.
Hildebrand, Emmet Fritjof	Cornwall-on-Hudson	Sci.
Keegan, Laura Marguerite	Binghamton	Clas.
Maxson, Lawrence Meredith	West Edmeston	Clas.
Nash, Harold Siegrist	Buffalo	*Arts
Palmer, Phyllis	Alfred Station	Phil.
Place, Mildred Frederica	Alfred	*Arts
Poole, Clesson Orlando	Alfred	Phil.
Potter, Clifford Miller	Almond	Sci.
Randolph, Winfield Wells Fitz	Fouke, Ark.	Sci.
Robison, Lucile Belle	Salamanca	*Arts
Savage, Anna Cregan	Hornell	Clas.
Smith, Ethel Mae	Alfred	Phil.
Wahl, Julia Agnes	Wellsville	Phil.
White, Marian Enid	Falconer	Phil.

*Ceramics.

Sophomores

Name	Residence	Course
Axford, Vincent	Brewster	Phil.
Ayars, Alice Annie	Alfred	*Arts
Baxter, Dorothy Belle	Mechanicville	Phil.
Burdick, Wayland Harold	Hornell	Phil.
Burnett, Earl John	Hornell	Clas.
Canfield, Ruth Ella	Friendship	*Arts
Cottrell, John Boardman, Jr.	Plainfield, N. J.	Sci.
Davis, Elizabeth Randolph	Alfred	Phil.
Davis, Karl Randolph	Fouke, Ark.	Sci.
DeRemer, Paul	Andover	Clas.
Dimick, Lillian Zettina	Erie, Pa.	Phil.
Fess, LeRoy Ernest	Crittenden	Clas.
Fuller, Donald Herald	Scio	*Eng.
Greene, Mary Louise	Malone	Clas.
Gunsallus, Brooke Leroy	Ridgway, Pa.	*Eng.
Hagar, Donald	Red Hook	*Eng.
Hamilton, Alfred LaMaitre	Oradell, N. J.	*Eng.
Hamilton, Florentine Anna	Oradell, N. J.	Phil.
Hollman, Francis Erwin	Corning	Phil.
Humphreys, Hazel Marie	Corning	Clas.
Hunting, Mary Lucetta	Plainfield, N. J.	*Arts
Johnson, John Carlton	Canandaigua	*Eng.
Kenyon, Howard Gould	Genesee, Pa.	Phil.
Larson, Ethel Anna Eleanora	Portville	Phil.
Lobaugh, Frank Earley	Ridgway, Pa.	*Eng.
Maure, Warren	Richmond Hill	Phil.
Meier, Adolph Ernest	Paterson, N. J.	Clas.
Morehouse Ethel Margaret	Belmont	Phil.
Pidcock, Gladys Gray	White House, N. J.	Phil.
Sherwood, Robert Ford	Hornell	*Eng.
Snell, Alfred Jacob	St. Johnsville	Phil.
Spencer, Lelia Marie	Arcade	Phil.
Stevens, Dorothy Eliza	Port Leyden	Phil.
Stillman, Hazel Isabel	Alfred	Phil.
Swallow, Elsie Mitchell	Corning	Phil.
Tefft, Elsie Roana	Greenwich	Clas.
Ward, Hilda Baker	German Valley, N. J.	Clas.
Wells, Gertrude Lucy	Friendship	Phil.
Wilcox, Beatrice Leone	Greenwood	Clas.
Wilson, Mary Elizabeth	Westwood, N. J.	Phil.
Worden, Dean Maxson	Brookfield	Sci.

Freshmen

Name	Residence	Course
Alsworth, Charles Willis	Arcade	Sci.
†Atz, Samuel David	Alfred	Sci.
†Ayars, Lister Sherman	Alfred	*Eng.
†Baxter, Jean Angelia	Mechanicville	Phil.
Bennett, Ruth Margaret	Hornell	*Arts
†Benson, Esther Irene	Medina	Phil.
Boyce, Angie Lucinda	Harrison Valley, Pa.	Clas.
†Burdick, Tina Emilie	Alfred Station	*Arts
Carter, Charles Milton	Almond	Sci.
Chapman, Georgiana Willamina	Alfred Station	*Arts
Clark, John White	Wilcox, Pa.	Sci.
Collin, Louis Parsons	Red Hook	*Eng.
†Croxford, Hazel Wilhelmina	Schenectady	Phil.
Cuglar, Lois Augusta	Massena	Clas.
Cullinan, James William	Silver Springs	Sci.
Cullinan, John Francis	Silver Springs	Sci.
Danforth, Frederick Clair	Silver Springs	Sci.
†Davis, Boothe Colwell, Jr.	Alfred	Sci.
†Davis, Stanley Fox	Fouke, Ark.	Sci.
DeMott, Paul Rome	Paterson, N. J.	Sci.
†Dunn, William Augustine	Bolivar	Sci.
Earley, Muriel Stevens	Andover	Clas.
Everson, Margaret Huldah	Fort Plain	Clas.
†Fitzgerald, Marion Elizabeth	Monroe	Clas.
†Foster, Martha Ida	Arcade	Phil.
†Fuller, Floyd Owen	Medina	*Eng.
Greene, Ernest Germaine	Alfred Station	Sci.
†Harrington, Henry Waldron	Oxford	*Eng.
Henry, Edna May	Reisterstown, Md.	Phil.
Jackson, Wayne, L.	Cameron	Phil.
Jones, Sara Esther	Alfred	Phil.
Kenyon, Sherman Spicer	Westerly, R. I.	*Eng.
Kies, Helen Bishop	Springville	Phil.
†Langworthy, Catherine Elizabeth	Alfred Station	Phil.
Lanphere, Dorothy Iola	Little Genesee	Clas.
Latimer, Elizabeth Luceba	Arkport	Clas.
Law, Hollice Edna	Ellicottville	Clas.
†McCormick, Theodore C.	Greenwood	*Eng.
MacFadyen, Loudon Edward	Watervliet	*Eng.
†McPhilly, Myrtle Frances	Port Leyden	*Arts
†Conditioned		*Ceramics.

Name	Residence	Course
†McTighe, J. Norbert	Binghamton	Sci.
Mapes, Elmer Stephens	Canaseraga	Phil.
†Minch, David Franklin	Bridgeton, N. J.	Phil.
†Minogue, Blanche McCoy	Schenectady	Phil.
Monroe, Grayden Elwood	Alfred Station	Sci.
Negus, Wayland	Geneva	*Eng.
Nichols, William George	Bolivar	Sci.
Palmer, Harvey Romain	Hadley	Sci.
Piaget, Ruth Eleanor	Oradell, N. J.	Phil.
†Pollock, Alfred Lee	Argyle	Sci.
Preston, James Clyde	Hornell	*Eng.
†Randolph, Franklin Fitz, Jr.	Great Kills	Sci.
†Randolph, Milton Fitz	New Market, N. J.	Sci.
Randolph, Wardner Titsworth Fitz	Fouke, Ark.	Phil.
†Reid, William Harold	Elmtra	*Eng.
Roos, Marion Reed	Buffalo	Sci.
Sichel, Arthur	Nanuet	Sci.
Stone, Ernest Nathaniel	Luzerne	Sci.
Straight, Edna Adaline	Almond	Phil.
Streeter, Beatrice	Bolivar	*Arts
†Vars, Ethan Wiard	Alfred	Sci.
Vos, Jackson	Menands	*Eng.
Vossler, Gustav Adolph	Wellsville	Sci.
†Conditioned		*Ceramics.

Specials

Alderman, Donald Russel	Olean	German
Davis, Laura May	Clarksburg, W. Va.	Music
Decker, Alfred Jacob	Richmond Hill	Biology
Der Arsenian, Aishavir Bogos	Portland, Me.	History
Howard, Nina Hildreth	Alfred	Ceramics
Jackson, Hazel Marguerite	Castile	German
Llinas, Saul	Barranquilla, Co-	
	lumbia	Ceramics
Perkins, Lina Alberta	Wellsville	Ceramics
Ruegg, Verena	San Francisco, Cal.	Ceramics
†St. John, Leota Edytha	Alfred	Ceramics
†Shofu, Shunichy	New York	Ceramics

Summary

Graduate	1
Seniors	36
Juniors	23
Sophomores	41
Freshmen	63
Specials	11
Total	175

Gifts and Bequests

Suggestions

The demands upon institutions of learning are broadening year by year, and equipment and endowment must be increased to keep pace with the demands. Alfred is no exception to this rule. With the assistance of her friends, she has been enabled to meet the advancing needs to a good degree, but not to as large an extent as she desires. Relying upon a continuation of that kindly interest in her work, there is here presented for consideration a variety of channels into which substantial aid in meeting the demands of the future may be directed:

INCREASE IN THE GENERAL ENDOWMENT FUND, the income of which shall be at the disposal of the university for its general expenses.

THE ENDOWMENT OF PROFESSORSHIPS. Twenty-five thousand dollars will endow a professor's chair.

THE ENDOWMENT OF SCHOLARSHIPS to pay the term bills of worthy but needy students. One thousand dollars will endow a scholarship.

A scholarship may be instituted conditionally by the payment of one hundred dollars, and kept alive by a payment of not less than twenty-five dollars every two years thereafter, until one thousand dollars have been paid, and the beneficiary will be credited on his tuition charges with the income of the fund. Where the scholarship is founded by a church or society, if twenty-five dollars or more be added to the principal annually, the beneficiary will be granted free tuition.

THE CENTENNIAL FUND was established in 1899 with the expectation that it would amount to \$100,000 when the university celebrates its centennial. Gifts to this fund may be made in amounts from \$1 to \$100.

THE GIFT OF BOOKS and of money to buy books.

University Loan Fund

The UNIVERSITY LOAN FUND was established in 1915 for the purpose of helping students who do not need gifts, but do need credit. This fund was founded with the idea that it should be a self-supporting benevolence. About half of the contributors so far have given their money outright and the other half have simply advanced certain sums with the understanding that they are to receive a moderate rate of interest and that the principal shall be returned if they should ever require it.

The managing committee in making a loan considers not only the needs of the student but his scholarship, and requires appropriate security for repayment.

Loans have been made in sums varying from ten dollars to one hundred dollars and for terms ranging from a few days to two years. The rate of interest upon the loans is six percent.

So far the Fund has paid an income at the rate of four percent per annum to the contributors accepting an income and probably will continue to pay at this rate. Here is an opportunity to invest money at a rate equal to that of a savings bank, and at the same time have it helping a worthy student.

For further information in regard to this Fund and its administration see Library Bulletin No. 7 "Borrowing Money," which may be had upon application.

Forms for Bequests

1 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, to be safely invested, and called "The _____ General Endowment Fund;" the net income only to be used for the general expenses of the University.

2 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Twenty-five thousand dollars, to be safely invested, and called "The _____ Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

3 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of One thousand dollars, to be safely invested, and called "The _____ Scholarship;" the net income only to be used for the payment of the term bill of some worthy and needy student, the surplus income, if any, to be at the disposal of the University.

4 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars to be expended in the purchase of books for the Library.

The Alumni Association

The membership of this Association includes graduates and former students, members of the faculty and those who have received honorary degrees from the university. By recent action of the Association the members are classified in two groups, Regular members and Sustaining members. The Regular members pay an annual membership fee of one dollar, and the Sustaining members, an annual membership fee of five dollars.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their alma mater, as well as to promote the general welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the university, giving it the name of the KENYON-ALLEN ENDOWMENT FUND. This fund now amounts to twelve thousand dollars. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. Four-fifths of the five dollar fee paid by Sustaining members is turned over to this fund. The income of this fund is used to assist in the payment of the salary of the President of the university.

The Association frequently provides courses of lectures given by its own members for the benefit of the university.

The Association is represented on the board of trustees of the university by nine trustees, three of whom are elected each year for a term of three years.

The annual meeting of this Association is held on Wednesday of commencement week.

The Alumni Association of Alfred University

Board of Directors

	Harry W. Prentice, D. D. S., '98, President	New York
Dean	Alpheus B. Kenyon, Sc. D., '74, Vice President	Alfred
Prof.	William C. Whitford, A. M., D. D., Secretary	Alfred
Prof.	J. Nelson Norwood, A. M., Ph. D., Treasurer	Alfred
Hon.	Isaac B. Brown, LL. D., '69	Corry, Pa.
	Orra S. Rogers, S. B., '94	Plainfield, N. J.
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred
Mrs.	F. P. Schoonmaker, '88	Bradford, Pa.
Hon.	Leonard W. H. Gibbs, Ph. B., '98	Buffalo
Rev.	William L. Burdick, Ph. B., D. D., '90	Alfred
Prof.	Fred C. White, A. M., '95	New York
	Marcus L. Clawson, M. D.,	Plainfield, N. J.
	John A. Lapp, LL. D., '06	Indianapolis, Ind.

EXECUTIVE COMMITTEE

W. L. Burdick, Frank L. Greene, Ford S. Clarke, and the Officers
ex officio.

ENDOWMENT FUND COMMITTEE

Orra S. Rogers, Marcus L. Clawson, and the Officers *ex officio*.

LECTURE COMMITTEE

Corliss F. Randolph, Boothe C. Davis, Daniel Lewis.

MEMBERSHIP COMMITTEE

L. W. H. Gibbs, Winfred Potter, Fred C. White

STATISTICAL SECRETARY

Ruth L. Phillips

LIBRARY DIRECTOR

Herbert G. Whipple

THE ALFRED ALUMNI ASSOCIATION OF NEW YORK CITY

Ferdinand L. Titsworth, S. B. '08, New York, President.

Supervising Principal Holly W. Maxson, A. B. '97, 409 Thirteenth St., West New York, N. J., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF SYRACUSE

Winfred Potter, Ph. B., M. D., '00, 1603 S. Salina St., Syracuse, President.

S. B. Everts, A. B. '03, 2725 Midland Ave., Syracuse, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF BUFFALO

Principal Elmer S. Pierce, S. B. '08, 54 Durham Ave., Buffalo, N. Y., President.

Mrs. Fanny Bonham Milward, Ph. B., '07, 118 Russell Ave., Buffalo, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF CHICAGO

Benjamin F. Langworthy, Esq., S. B., '92, 254 Ashland Ave., River Forest, Ill., President.

Miss Helen A. Titsworth, Ph. B. '06, 6025 Kenwood Ave., Chicago, Ill., Secretary.

THE TWENTIETH CENTURY CLUB OF ALFRED UNIVERSITY

Prof. Ford S. Clarke, Ph. B., '10, Alfred, N. Y., President.

Prof. Paul E. Titsworth, Ph. D., '04, Alfred, N. Y., Secretary-Treasurer.

UNIVERSITY TRUSTEES

Representing Alumni

		Term Expires
	Orra S. Rogers, S. B., '94	Plainfield, N. J., 1917
	D. Sherman Burdick, Ph. B., '82	Alfred "
	John A. Lapp, Ph. B., LL. D. '06	Indianapolis, Ind. "
Hon.	Ira A. Place, A. B., LL. B.,	New York 1918
	John J. Merrill, Ph. M., '84	Alfred "
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred "
Prof.	Edwin H. Lewis, A. M., Ph. D., '87	Chicago, Ill. 1919
	Judson G. Rosebush, A. M., '00	Appleton, Wis. "
	Marcus L. Clawson, M. D. '90	Plainfield, N. J. "

Prizes and Medals

The Dr. Thomas World's Peace Prize Contest

Mrs. Vandelia Varnum Thomas, an alumna of Alfred University, has established in memory of her late husband an annual prize speaking contest to be known as The Dr. Thomas World's Peace Prize Contest. The first prize is \$50, the second \$25.

Rules Governing The Dr. Thomas World's Peace Prize Contest:

1. Open to Sophomores and Juniors (both sexes).
2. Oration not over fifteen minutes, better twelve, upon some subject related to the promotion and furtherance of peace.
3. First Test—leaving only six contestants.
Judges—President and four teachers chosen by himself, two of whom shall be women. This test is to be a private contest.
4. Final test in a public meeting known as the "World's Peace Prize Contest."
5. Three judges, one from another town, one shall be a woman.
6. These six contestants are pledged to have their papers published in some paper or magazine. As many more from the primary contestants' orations as are deemed worthy by the primary judges may be published.

Parts to be marked:

- | | |
|------------------------------|---------------|
| (1) Content..... | 50 per cent |
| (2) Literary value..... | 25 per cent |
| (3) Oratory—Enunciation..... | 10 |
| Grace or Poise..... | 10 |
| Effectiveness or | |
| Power to Move an | |
| Audience..... | 5—25 per cent |

The Tomlinson Medal

The Tomlinson medal for proficiency in Classical Philology was established in June, 1912, by Dr. Corliss Fitz Randolph of Newark, New Jersey, an alumnus and trustee of Alfred University, as a tribute to the memory of Edward Mulford Tomlinson, for many years William B. Maxson professor of the Greek Language and Literature at Alfred.

The general conditions for the award of this medal are as follows:

"All candidates for the medal shall have passed satisfactorily the usual entrance requirements in Latin and Greek (for the classical course), and, following that, shall have pursued the study of these subjects continuously throughout the entire four years of their college course."

The detailed requirements may be had by applying to the head of the department of classical languages.

Ceramic and Chemistry Medal

A medal will be awarded to that member of the Junior class who, during his Sophomore and Junior years, has made the highest average in all his subjects. Application for this medal must be made in writing to the Registrar before the end of the first semester of his Junior year. The competition is open to those majoring in chemistry or ceramic engineering.

The Twentieth Century Club Cup

The Twentieth Century Club Cup is given by the Twentieth Century Club to the one of the two lower classes, Freshman or Sophomore, having the highest scholastic average.

Summer School

The fourth session of the summer school at Alfred University will be held July 5 to August 16, 1917. Courses are to be given in methods of teaching in high school, in grammar grades, in primary grades, in rural schools, problems of the secondary school for principals and others interested, and subject matter courses in the following: biology, chemistry, domestic science, drawing and design (public school), English (literature and composition), Greek literature in English translations, history, Latin, manual training (including basketry and work in wood, copper and iron), mathematics, modern languages (French, German, and Spanish), and physics.

The summer session offers opportunity for those not quite prepared for college to make up their conditions before entering the Freshman class next September.

Special courses for rural school teachers.

For catalogue and further information, address,

PAUL E. TITSWORTH, Ph. D.,
Director Summer School at Alfred University.

Summer School Students, 1916

Name	Residence
Brown, Shirley E. (Mrs.)	Hornell
Bakker, Garrelt F.	Plainfield, N. J.
Bassett, Ella Langworthy	Andover
Beebe, Clarence V.	Brookfield
Burdick, Paul S.	Little Genesee
Burdick, Ethan Lee	Milton, Wis.
Burdick, Genevieve	DeRuyter
Charman, Laura B. (Mrs.)	Magnolia, N. J.
Clark, Donald Craig	Alfred
Comfort, Kenneth E.	Canisteo
Coon, Aaron	Alfred
Crewe, Amy Copper	Sparrows Point, Maryland
Davis, B. Colwell, Jr.	Alfred
Davis, Jessica B.	Alfred
Dinsmore, Emma Adelaide,	Baltimore, Maryland
Ells, Luella A.	Alfred
Fess, Gilbert M.	Hillsdale, Mich.
Randolph, W. T. Filtz	Fouke, Ark.
Ford, Gertrude	Garwin, Iowa
Fulton, Florence W.	Bryn Mawr, Pa.
Garber, Virginia W.	Bryn Mawr, Pa.
Gardiner, Helen A.	Portville
Garwood, Robert D.	Canaseraga
Gharagheuslou, Naghi Khan de	Washington, D. C.
Gordon, Jessie F.	Philadelphia, Pa.
Griffiths, Lillian	Horseheads
Groves, Nellie A.	Woodhull
Hann, Howard J.	Andover
Hart, Jane	Hornell
Hepinstall, C. Esther	Canisteo
Jack, Alice M.	Canisteo
Jackson, Agnes	Baltimore, Maryland
Jenson, Kathryn M.	Hall

Keller, Hazel B.
 Kelly, Florence R.
 King, Ethel H. (Mrs)
 Knell, Grace E.
 Layton, Ora Dennis
 Langworthy, Helen O.
 Llinas, Saul
 McAndrew, Nora E.
 Mercier, Edith
 Merrill, Anna A.
 Moore, Winifred R.
 Negus, Wayland
 Noble, Edward M.
 Ostrander, Jessie (Mrs.)
 Peddicord, Florence E.
 Preston, James C.
 Roth, Fred R. G. R.
 Saunders, Nellie A.
 Saunders, Harold B.
 Shamberger, J. Grace
 Shofu, S.
 Stamp, Adele
 Walters, Estelle
 Sutton, Willard J.
 Thomas, Flora
 Thorpe, Eleanor H.
 Titsworth, Adelene
 Vander Veer, Mary Katryne
 Wellmore, Josephine R.
 Wellmore, Margaretta E.
 White, Ernest H.
 Whitford, Fanny E.
 Willson, Emma L.
 Withey, Ina M.
 Witter, J. Belle
 DeWitt, Sara

Cuba
 Reisterstown, Md.
 Hornell
 Baltimore
 Canisteo
 Alfred
 Barranquilla, Colombia
 Andover
 Glyndon, Maryland
 Albany
 Woodhull
 Geneva
 Denton, Maryland
 Almond
 Ellicott City, Md.
 Hornell
 Englewood
 Hornell
 Alfred
 Parkton, Md.
 New York City
 Baltimore, Md.
 Overlea, Md.
 Hornell
 Brooklyn
 Baltimore, Md.
 Alfred
 Dunellen, N. J.
 Baltimore, Md.
 Baltimore, Md.
 Leonardsville
 Nile
 Baltimore, Md.
 Allentown
 Tampa, Florida
 Bradford

New York State School of Clay-Working and Ceramics

This school was established at Alfred University, by chapter 383, laws of the state of New York, 1900. The buildings are adjacent to the university campus. While a state institution, it is administered by the trustees of Alfred University. Its students profit by courses of study in the college classes and laboratories and by the university library.

The school is fully equipped with machinery and kilns for carrying out all descriptions of clay work. The art studio is provided with every facility for the study of free-hand and mechanical drawing, composition, and applied design. Tuition is free to residents of New York State.

Two courses are offered, each of four years' duration. To the course in ceramic engineering the entrance is the same as to the college scientific course. The work, in addition to the usual subjects in science, comprises the technology of the clay-working industries. The degree of Bachelor of Science in Ceramic Engineering is granted.

To the course in ceramic art and pedagogy, entrance is by academic diploma covering certain specific subjects. This work includes design, drawing and modeling, together with the application of these subjects to the teacher's profession. The degree of Bachelor of Applied Arts is granted.

A catalogue will be mailed upon application.

CHARLES F. BINNS, Director,
Alfred, N. Y.

New York State School of Agriculture

On May 6, 1908, Governor Hughes signed the bill that provided for the establishment of a State School of Agriculture at Alfred University.

The School is governed by a board of managers appointed by the Alfred University Trustees. The Commissioner of Agriculture, the Director of the State College of Agriculture, and a representative of the State Grange are ex-officio members of the board of managers.

The grounds upon which the administration buildings of the school are built join the university campus. Students, who are properly qualified, may take part work in the agricultural school and in the high school or in the college under university regulations. The association of school students with the other Alfred students will promote breadth of view and wholesome school life.

The regular course of study consists of carefully outlined courses in the main branches of agriculture, namely: animal husbandry, dairy industry, farm crops, farm management, wood and forge work, domestic science, and home economics. Well equipped laboratories, a specially selected faculty, and a 230-acre modernly managed farm are guarantees of the work offered.

Any student who is of good character, sixteen years old or more and has completed the work of the common school or its equivalent, is eligible for admission. To all students of the state of New York tuition is free.

Persons wishing further information may receive upon request a catalogue and circular describing the work of the school in detail. Apply to

W. J. WRIGHT, M. S., Director,

Alfred, N. Y.

THE EIGHTY-FIRST COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, nineteen hundred and seventeen. The exercises begin Saturday morning, June 2, and close Thursday evening, June 7.

All former students of the university, whether graduates or not, and all other friends of the institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who does not receive a copy of this CATALOGUE, or who changes his residence, will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased alumni, or any information that may help to make or keep the directory of the alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the university library.

On application to the Registrar the catalogue will be sent to young men and young women preparing for college or contemplating higher education.

Letters of inquiry may be addressed to The President of Alfred University, Alfred, N. Y.

Index

Absences	22	Kanakadea Hall.....	18
Admission	13, 26	Kenyon Memorial Hall..	14
On Certificate	27	Ladies Hall.....	18, 20
On Examination	28	Latin	54
Advanced Standing	28	Library	14
Agriculture	34, 94	Library Economy.....	55
Allen Steinheim Museum..	15	Library Directors.....	8
Alumni Association.....	85	Literary Societies.....	21
Alumni Hall	18	Location	13
Art	35	Machine Shop.....	17
Astronomy	36	Manual Training.....	53
Athletic Association	20	Master's Degree.....	31
Athletic Field	19	Material Equipment.....	14
Athletics	20	Mathematics	56
Babcock Hall	15	Medals	89
Bachelor's Degree.....	31	Museum	15
Bequests	82	Music Department.....	67
Biblical Languages	36	Officers of Instruction..	9
Biological Laboratory	15	Officers of Administration	12
Biology	37	Physical Laboratories... 16	
Buildings	14	Philosophy	59
Burdick Hall.....	18, 20	Physical Training.....	21, 62
Calendar	3	Physics	62
Campus	14	Political Science.....	50
Carpenter Shop	17	Pre-Medical Course.....	25
Chemical Laboratories	16	Prizes	88
Chemistry	42	Psychology	59
Christian Associations	21	Public Speaking.....	63
Class Exercises	21	Reading Room.....	15
College Calendar	4	Register of Students....	77
Conditioned Students	28	Registration	23
Courses of Study.....	25, 29	Regulations	20
Degrees	31	Religious Education....	64
Degrees Conferred.....	75	Religious Life.....	19
Departments of Instruction	34	Required Studies.....	29
Domestic Science	34	Residence Halls.....	20
Drafting	52	Rogers Observatory.....	17
Economics	51	Romance Languages.....	65
Education	57	Rooms and Board.....	24
Elective Studies.....	29	Social Life.....	19
English	43	Self-Support	24
Entrance Requirements..	26	Spanish	66
Examinations	23	Special Students.....	25
Ethics	45	State School of Agriculture	94
Excuses	22	State School of Ceramics	93
Expenses	24	Sociology	61
Faculty	9	Student Assistants.....	11
Fees	23	Student Organizations... 20	
Forms for Bequests.....	84	Student Senate.....	21
French	65	Summer School.....	90
General Information....	13	Summer School Students.	91
Geology	40	Terms	21
German	45	Thesis	31
Gifts	82	Trustees	6
Glee Club	72	Trustees' Committees....	7
Greek	47	Tuition	23, 74
Groups	30	Unit of Credit.....	22
Gymnasium	18	University Loan Fund... 83	
History	13, 48	Vacations	21
Honors	32, 76	Wood-Working	52
Industrial Mechanics..	16, 51		
Interscholastic Meet....	21		



28A
7/18

UNIVERSITY PUBLICATIONS

EIGHTY-SECOND YEAR, No. 2

Alfred College Catalogue

1917 - - 1918

EIGHTY-SECOND YEAR



UNIVERSITY OF ALBANY
ADMINISTRATIVE DEPT.
FEB 14 1918

ANNOUNCEMENTS

1918-1919

**Alfred College
Catalogue**

1917-1918

and

Announcements

1918-1919

THE Alfred
Sun Press
TTTTTT

1918	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	1918	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
Jan.	..	..	1	2	3	4	5	July	..	1	2	3	4	5	6
	6	7	8	9	10	11	12		7	8	9	10	11	12	13
	13	14	15	16	17	18	19		14	15	16	17	18	19	20
	20	21	22	23	24	25	26		21	22	23	24	25	26	27
	27	28	29	30	31	..	..		28	29	30	31	..	..	..
Feb.	..	..	..	..	..	1	2	Aug.	..	..	..	..	1	2	3
	3	4	5	6	7	8	9		4	5	6	7	8	9	10
	10	11	12	13	14	15	16		11	12	13	14	15	16	17
	17	18	19	20	21	22	23		18	19	20	21	22	23	24
	24	25	26	27	28	..	..		25	26	27	28	29	30	31
Mar.	..	..	..	..	..	1	2	Sept.	1	2	3	4	5	6	7
	3	4	5	6	7	8	9		8	9	10	11	12	13	14
	10	11	12	13	14	15	16		15	16	17	18	19	20	21
	17	18	19	20	21	22	23		22	23	24	25	26	27	28
	24	25	26	27	28	29	30		29	30	..	..	..	..	..
	31	..	..	..	..	..	..	Oct.	..	..	1	2	3	4	5
Apr.	..	1	2	3	4	5	6		6	7	8	9	10	11	12
	7	8	9	10	11	12	13		13	14	15	16	17	18	19
	14	15	16	17	18	19	20		20	21	22	23	24	25	26
	21	22	23	24	25	26	27		27	28	29	30	31	..	..
	28	29	30	..	..	..	..	Nov.	..	..	..	..	..	1	2
May	..	..	..	1	2	3	4		3	4	5	6	7	8	9
	5	6	7	8	9	10	11		10	11	12	13	14	15	16
	12	13	14	15	16	17	18		17	18	19	20	21	22	23
	19	20	21	22	23	24	25		24	25	26	27	28	29	30
	26	27	28	29	30	31	..	Dec.	1	2	3	4	5	6	7
June	..	..	..	..	..	..	1		8	9	10	11	12	13	14
	2	3	4	5	6	7	8		15	16	17	18	19	20	21
	9	10	11	12	13	14	15		22	23	24	25	26	27	28
	16	17	18	19	20	21	22		29	30	31	..	..	..	..
	23	24	25	26	27	28	29								
	30	..	..	..	..	..	..								

College Calendar

First Semester 1917--1918

Entrance Examination	Tuesday	1917 Sept. 18
Registration	Wednesday	Sept. 19
Instruction begins	Thursday	Sept. 20
Election Day	Tuesday	Nov. 6
Thanksgiving Recess begins	Wednesday noon	Nov. 28

THANKSGIVING RECESS

Instruction resumed	Monday morning	Dec. 3
Founders' Day	Wednesday	Dec. 5
Holiday Recess begins	Wednesday evening	Dec. 19

HOLIDAY RECESS

Instruction resumed	Wednesday morning	1918 Jan. 2
Mid-year Examinations begin	Monday	Jan. 21
Examinations end, Semester ends	Friday	Jan. 25

Second Semester 1917--1918

Semester begins	Monday morning	Jan. 28
Spring Recess begins	Tuesday evening	Mar. 26

SPRING RECESS

Instruction resumed	Wednesday morning	April 10
Final Examinations begin	Friday	May 24
Examinations end	Friday	May 31

EIGHTY-SECOND ANNIVERSARY

Annual Sermon before Christian Associations	Saturday morning	June 1
Commencement Play	Saturday evening	June 1
Baccalaureate Sermon	Sunday evening	June 2
Alumni Association, Directors' meeting	Monday afternoon	June 3
Annual Concert	Monday evening	June 3
Class breakfasts and reunions	Tuesday morning	June 4
Annual meeting of Trustees	Tuesday morning	June 4
Annual meeting of Corporation	Tuesday afternoon	June 4
Alumni Association, Public Session	Tuesday afternoon	June 4
Alumni Banquet	Tuesday evening	June 4
Commencement Exercises	Wednesday morning	June 5
Class-day Exercises	Wednesday afternoon	June 5
President's Reception	Wednesday evening	June 5

SUMMER VACATION

Summer School

Summer School begins	Tuesday	July 2
Summer School ends	Wednesday	Aug. 14

First Term 1918--1919

1918

Entrance Examinations	Tuesday	Sept. 24
Registration	Wednesday	Sept. 25
Instruction begins	Thursday	Sept. 26
Thanksgiving Recess begins	Wednesday noon	Nov. 27

THANKSGIVING RECESS

Instruction resumed	Monday noon	Dec. 2
Founders' Day	Thursday	Dec. 5
Term Examinations begin	Monday	Dec. 16
Term ends	Wednesday evening	Dec. 18

HOLIDAY RECESS

Second Term

1919

Instruction begins	Thursday	Jan. 2
Term Examinations begin	Monday	Mar. 17
Term ends	Wednesday evening	Mar. 19

SPRING RECESS

Third Term

Instruction begins	Wednesday	Mar. 26
Memorial Day	Friday	May 30
Final Examinations begin	Monday	June 9
Final Examinations end	Friday	June 13

EIGHTY-THIRD ANNIVERSARY

Annual Sermon before Christian Associations	Saturday morning	June 14
Concert	Saturday evening	June 14
Baccalaureate Sermon	Sunday evening	June 15
Alumni Association, Directors' meeting	Monday afternoon	June 16
Commencement Play	Monday evening	June 16
Class breakfasts and reunions	Tuesday morning	June 17
Annual meeting of Trustees	Tuesday morning	June 17
Annual meeting of Corporation	Tuesday afternoon	June 17
Alumni Association, Public Session	Tuesday afternoon	June 17
Alumni Banquet	Tuesday evening	June 17
Commencement Exercises	Wednesday morning	June 18
Class-day Exercises	Wednesday afternoon	June 18
President's Reception	Wednesday evening	June 18

SUMMER VACATION

Fourth (Summer) Term

Summer Term begins	Tuesday	July 1
Summer Term ends	Wednesday	Aug. 13

Board of Trustees

Term expires in June 1918

Hon.	DANIEL LEWIS, M. D., LL. D., '69,	Alfred
	IRA A. PLACE, A. B., LL. B.,	New York City
	JOHN J. MERRILL, Ph. M., '84,	Alfred
Hon.	LEONARD W. H. GIBBS, Ph. B., '98,	Buffalo
Hon.	WILLIAM M. STILLMAN, M. S., LL. B.,	Plainfield, N. J.
	VERNON A. BAGGS,	Alfred
	HOBART B. AYERS, M. E.	Pittsburgh, Pa.
	HERBERT G. WHIPPLE, A. B., '87,	New York City
	ELIE E. FENNER	Alfred
	FRANK L. GREENE, A. M., Ped. D.,	Alfred
	C. LOOMIS ALLEN, Sc. D.,	Syracuse

Term expires in June 1919

Prof.	EDWIN H. LEWIS, Ph. D., LL. D., '87,	Chicago, Ill.
	JUDSON G. ROSEBUSH, A. M., '00,	Appleton, Wis.
	MARCUS L. CLAWSON, M. D., Ph. B., '90,	Plainfield, N. J.
Supt.	HENRY M. MAXSON, A. M., Ped. D.,	Plainfield, N. J.
Hon.	GEORGE L. BABCOCK,	Plainfield, N. J.
	CLARENCE W. SPICER,	Plainfield, N. J.
Pres.	BOOTHE COLWELL DAVIS, Ph. D., LL. D., '90,	Alfred
Hon.	WILLIAM J. TULLY, LL. D.,	New York City
	CURTIS F. RANDOLPH	Alfred
	WILLIAM R. CLARKE,	New York City
	CORLISS F. RANDOLPH, A. M., L. H. D., '88,	Newark, N. J.

Term expires in June 1920

Hon.	WILLIAM WALLACE BROWN, A. M., LL. D., '61,	Bradford, Pa.
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
Mrs.	WILLIAM C. BURDICK,	Alfred
Hon.	EDWARD W. HATCH, LL. D.,	New York City
Rev.	WILLIAM L. BURDICK, D. D., '90,	Alfred
	B. SHEFFIELD BASSETT	Alfred
	JOHN A. LAPP, Ph. B., LL. D., '06,	Indianapolis, Ind.
	EDGAR H. COTTRELL,	New York City
Hon.	FRANK SULLIVAN SMITH, LL. D.,	Angelica
	WILLIAM C. HUBBARD, M. S.,	Plainfield, N. J.

Officers of the Board

VERNON A. BAGGS, President	Alfred
FRANK L. GREENE, Vice President	Alfred
CURTIS F. RANDOLPH, Treasurer	Alfred
D. SHERMAN BURDICK, Secretary	Alfred

Standing Committees of the Board

Executive

VERNON A. BAGGS, Chairman
D. SHERMAN BURDICK, Secretary

B. SHEFFIELD BASSETT	JOHN J. MERRILL
WILLIAM WALLACE BROWN	ELIE E. FENNER
BOOTHE COLWELL DAVIS	ORRA S. ROGERS
CURTIS F. RANDOLPH	HERBERT G. WHIPPLE
WILLIAM L. BURDICK	DANIEL LEWIS
	FRANK L. GREENE

Teaching Force

BOOTHE COLWELL DAVIS DANIEL LEWIS HENRY M. MAXSON

Buildings and Grounds

BOOTHE COLWELL DAVIS VERNON A. BAGGS
JUDSON G. ROSEBUSH CLARENCE W. SPICER
JOHN J. MERRILL

Supplies and Janitors

VERNON A. BAGGS B. SHEFFIELD BASSETT WILLIAM L. BURDICK

Printing and Advertising

BOOTHE COLWELL DAVIS FRANK L. GREENE JOHN J. MERRILL

Auditor and Attorney

HERBERT G. WHIPPLE

Investment

ORRA S. ROGERS, Chairman

C. LOOMIS ALLEN WILLIAM J. TULLY D. SHERMAN BURDICK
ELIE E. FENNER WILLIAM R. CLARKE WILLIAM C. HUBBARD

Finance

ORRA S. ROGERS, Chairman

BOOTHE C. DAVIS	DANIEL LEWIS	IRA A. PLACE
WILLIAM M. STILLMAN	CLARENCE W. SPICER	C. LOOMIS ALLEN
WILLIAM J. TULLY	EDGAR H. COTTRELL	WILLIAM R. CLARKE
EDWARD W. HATCH	WILLIAM WALLACE BROWN	JUDSON G. ROSEBUSH
LEONARD W. H. GIBBS	GEORGE L. BABCOCK	EDWIN H. LEWIS
JOHN A. LAPP	WILLIAM C. HUBBARD	D. SHERMAN BURDICK
	CURTIS F. RANDOLPH	

*Charles Potter Professorship of History and Political Science,
Library Fund*

BOOTHE C. DAVIS CORTEZ R. CLAWSON J. NELSON NORWOOD

*George B. Rogers Professorship of Industrial Mechanics, Mechanical
Library and Apparatus Fund*

FRANK L. GREENE LINTON B. CRANDALL WILLIAM L. BURDICK

Library Director Representing the Board of Trustees

CORLISS F. RANDOLPH

Ladies' Auxiliary Committee

Mrs. FRANK L. GREENE, Chairman

Mrs. JOHN J. MERRILL

Mrs. BOOTHE C. DAVIS

Mrs. WILLIAM C. BURDICK

Miss SELINDA I. GREENE

Mrs. D. SHERMAN BURDICK

Mrs. CHARLES STILLMAN

Mrs. VERNON A. BAGGS

Library Directors

BOOTHE COLWELL DAVIS, President (*ex-officio*)

CORTEZ R. CLAWSON, Librarian (*ex-officio*)

J. NELSON NORWOOD, Chas. Potter Professor (*ex-officio*)

CORLISS F. RANDOLPH, representing Trustees

ALPHEUS B. KENYON " Faculty

HERBERT G. WHIPPLE " Alumni

Officers of the Corporation

For year ending June, 1918

ALPHEUS B. KENYON,

ARTHUR E. MAIN,

WILLIAM C. WHITFORD,

President

Vice President

Secretary

Officers of Administration

BOOTHE COLWELL DAVIS, President and University Chaplain

ALPHEUS B. KENYON, Dean

WALDO A. TITSWORTH, Registrar

WILLIAM C. WHITFORD, Secretary of Faculty

CURTIS F. RANDOLPH, Treasurer

CORTEZ R. CLAWSON, Librarian

JAMES D. BENNEHOFF, Curator of Allen Museum

DANIEL LEWIS, M. D., Medical Adviser

EVA B. MIDDAGH, Matron, Dormitory for Women

HARRY C. GREENE, Chief Janitor and Superintendent of Grounds

RUTH L. PHILLIPS, Secretary to the President

NELLY MERRIMAN, Head of Boarding Department

VINCENT AXFORD, Head of Burdick Hall

Officers of Instruction

BOOTHE COLWELL DAVIS, Ph. D., D. D., LL. D., President
Professor of Ethics

ALPHEUS B. KENYON, Sc. D., Dean
Rhode Island Professor of Mathematics

WILLIAM CALVIN WHITFORD, A. M., D. D.
Professor of Biblical Languages and Literature

PAUL E. TITSWORTH, Ph. D.
Professor of Modern Languages

CORTEZ R. CLAWSON, Litt. B., A. M., Librarian
Professor of Library Economy

JAMES D. BENNEHOFF, S. M.
Professor of Biology and Geology

LINTON B. CRANDALL, S. B.
George B. Rogers Professor of Industrial Mechanics

J. NELSON NORWOOD, A. M., Ph. D.
Charles Potter Professor of History and Political Science

MABEL I. HART, A. M.
Wm. C. and Ida F. Kenyon Professor of Latin and
Wm. B. Maxson Professor of Greek

WALDO ALBERTI TITSWORTH, S. M., Registrar
Babcock Professor of Physics and Professor of Chemistry

RAY WINTHROP WINGATE
Professor of Music

FORD STILLMAN CLARKE, Ph. B.
Professor of Philosophy and Education

KATHERINE H. PORTER, A. M.
Professor of English

IVAN L. FISKE, S. B.
Instructor in Physical Training

MORTON E. MIX, Ph. B.
Instructor in Modern Languages

LUCIA WEED CLAWSON

Instructor in Public Speaking

MINNA CHEVES WILKINS, A. M.

Instructor in Philosophy and Education

ARLOTTA BASS MIX, Ph. B.,

Assistant in German

E. R. SWEETLAND, S. B. Agr., Ph. M., LL. M.

Foot Ball Coach

Student Assistants

Vincent Axford	<i>Chemistry</i>	Edna Straight
<i>English</i>	Wayland Burdick	<i>History</i>
Enid White		Julia Wahl
Celia Cottrell	<i>Modern Languages</i>	L. Meredith Maxson
	<i>Physics</i>	
	Clifford M. Potter	

Committees of the College Faculty

Dean A. B. Kenyon	<i>Degrees</i>	W. A. Titsworth
	C. F. Binns	
J. N. Norwood,	<i>Student Life</i>	P. E. Titsworth
	Mabel I. Hart	
	Marion L. Fosdick	
C. R. Clawson	<i>Catalogue</i>	M. E. Mix
	A. B. Kenyon	
A. B. Kenyon	<i>Absences</i>	W. A. Titsworth
	Katherine H. Porter	
P. E. Titsworth	<i>Assembly Addresses</i>	J. N. Norwood
W. C. Whitford	<i>Student Loans</i>	F. S. Clarke
	P. E. Titsworth	
P. E. Titsworth	<i>Glee Club</i>	C. R. Clawson
	R. W. Wingate	
F. S. Clarke	<i>Schedule</i>	W. A. Titsworth
P. E. Titsworth	<i>Counselors—Class of 1920</i>	M. E. Mix
	Marion L. Fosdick	
	Minna C. Wilkins	
F. S. Clarke	<i>Counselors—Class of 1921</i>	C. F. Binns
	Katherine H. Porter	
	Mabel I. Hart	
	<i>Auditor For Student Organizations</i>	
	F. S. Clarke	

Committees of the University Faculty

W. A. Titsworth	<i>Athletics</i>	W. J. Wright
J. N. Norwood	J. D. Bennehoff	
	I. L. Fiske	
W. J. Wright	<i>University Extension</i>	J. B. Shaw
	P. E. Titsworth	
F. S. Clarke	<i>Program</i>	Minna C. Wilkins
Angeline Wood	J. B. Shaw	

General Information

History

On December 5, 1836, a select school was organized in the village of Alfred. The educational interests manifested in this humble beginning grew and resulted in the organization of an academy with a suitable building and small equipment. To meet the needs of an increasing attendance additional teachers were secured and in 1843 a charter was granted to "Alfred Academy." In 1846 three school buildings were erected on the present campus. In 1857 a university charter was granted.

The college was founded and is maintained in the interests of Christian education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration.

Location

ALFRED COLLEGE is located at Alfred, Allegany county, New York, on the Allegheny division of the Erie railroad. Alfred is pleasantly situated among rugged hills at an altitude of eighteen hundred feet above sea level, and affords many conditions conducive to health.

Admission

Alfred College opens its doors to all worthy persons of either sex who possess the requisite literary qualifications and who present themselves for the purpose of doing earnest,

faithful work. Persons who are addicted to the use of intoxicants or who have other habits detrimental to successful intellectual, moral or physical development will not knowingly be admitted or retained.

Material Equipment

THE COLLEGE CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, ornamented with a variety of trees and shrubs, forming an arboretum of beauty and value. Its lawns, walks, and drives are kept up by the income from a special endowment for that purpose.

There are eleven bulidings on the campus: Alumni Hall, Kenyon Memorial Hall, Carnegie Library, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Ladies Hall, Burdick Hall, Kanakadea Hall, Gothic, and Steam Heating Plant. Adjacent to the campus are the buildings of the New York State School of Clay Working and Ceramics, and of the New York State School of Agriculture.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a brick building completed in 1882. It contains the college assembly room, drafting room, and the recitation rooms and offices of the departments of Ancient and Modern Languages.

THE LIBRARY. The Carnegie library erected in 1912 is a beautiful building of brick and stone which contains in addition to the library, reading room, and seminar rooms, the offices of the President and the Treasurer.

The library contains about 30,000 volumes fully classified. It is open every college week day from 8:00 A. M. to 12 M. and from 1:30 to 5:30 P. M., also on Monday, Tuesday, Wednesday and Thursday evenings from 7:30 to 9:00; and on Saturday and Sunday afternoons from 3:00 to 5:00. Students are allowed free access to the shelves and are en-

couraged to diligent use of the books. The librarian is in constant attendance as reference librarian to give counsel and aid in any line of reading and research. All books, except works of reference, may be drawn for home use under prescribed regulations. The library is under the supervision of a board of directors consisting of the president, the librarian, the professor of History ex-officio and one representative each from the board of trustees, the faculty and the alumni association.

A READING ROOM, well equipped with newspapers and periodicals, is maintained in connection with the library.

THE ALLEN STEINHEIM MUSEUM stands upon the lower slope of Pine Hill, overlooking the campus. This structure, a memorial of President Allen and Mrs. Allen, built in the style of an old castle, is unique among the college buildings. In its construction many varieties of rock found in the vicinity of Alfred were used. This building is the repository for the college collections of minerals, stone implements, pottery, coins, shells, corals, birds, animals, entomological and botanical specimens, and general curios.

THE BIOLOGICAL LABORATORY. The lecture room and laboratory of biology are in the Allen Steinheim Museum. The museum collections are intended especially as illustrative material to be used in this department. The biological laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments and other facilities. A greenhouse is a part of the equipment of the department for the propagation of animal and vegetable life, thus providing specimens for laboratory use. There is a department library containing many of the reference and text books on the subjects of biology and geology.

THE BABCOCK HALL OF PHYSICS, named in memory of George H. Babcock, founder of the professorship of physics, is a brick building, constructed especially for the

study of the physical sciences. The laboratories are supplemented by a lecture room and department offices. The departments of Chemistry and Industrial Mechanics also have rooms in the building, including laboratories, a lecture room, department libraries, a machine shop, and a wood shop. Boilers in the basement furnish steam heat for this building and the Kenyon Memorial Hall.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. The laboratories are well equipped to carry out the work of the department. The analytical laboratory is equipped with the apparatus necessary for blowpipe analysis, qualitative analysis, quantitative analysis, and organic chemistry. The department is provided with a special library for reference, containing the best authorities on the science of chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a variety of apparatus for demonstrating physical laws. Adjoining the lecture room in the south wing is the laboratory fitted up for experiments in optics.

In addition to the lecture and apparatus rooms, there is a laboratory well-equipped for performing experiments in general physics. Besides such usual equipment, the department has a number of special pieces of apparatus for illustrating physical laws.

Valuable pieces of apparatus are designed and made in the shops of the college. Additions to the apparatus and the department library are made annually as the income accrues from the endowment fund of the Babcock professorship of physics.

INDUSTRIAL MECHANICS. The George B. Rogers department of industrial mechanics was founded in 1867 by Mrs. Ann M. R. Lyon and named in memory of her deceased son. The department has a library containing books upon the various branches of mechanics including practical and

theoretical works upon architecture, machine construction, and engineering. There is also apparatus for illustrating mechanical movements, intersections of surfaces and solids, warped surfaces, etc. Yearly additions are made to the library and apparatus of the department. The department is located in rooms in the Babcock Hall of Physics, and is equipped for actual practical work in the drafting room, carpenter shop, and machine shop.

THE CARPENTER SHOP, a commodious and well lighted room on the basement floor of the north wing of Babcock Hall, is equipped with wood lathes, circular saws, jig saws, shaping machines, and work benches, with sets of hand tools for the various branches of wood working. Power is furnished by an electric motor. Carpentry, wood turning, and pattern making are taught.

THE MACHINE SHOP, occupying the ground floor of the west wing of the Hall of Physics, is provided with lathes, planers, drills, shaping and other power machines, also hand tools for metal working. The machinery is driven by electric power. Many pieces of mechanical and scientific apparatus have been designed and constructed in the department. By the construction in the shops of some of the apparatus used in the department, the students gain practical as well as theoretical knowledge.

THE ROGERS OBSERVATORY, named in memory of Professor William A. Rogers, contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus.

LADIES HALL is a large brick dormitory which contains rooms for about sixty women students, the assembly rooms of the Alfriedian and Athenaeum lyceums, and the Young Women's Christian Association, and a dining hall.

BURDICK HALL, the dormitory for men, named after Mr. William C. Burdick, was given to the university by his widow, Mrs. Amanda M. Burdick, and his daughter, Miss

Susan M. Burdick. This dormitory is a frame building, containing furnished rooms for about thirty students. In it are the headquarters of the Young Men's Christian Association, and a boarding club for men.

KANAKADEA HALL is a two story brick and wood building with terra cotta roof. It contains the lecture rooms and offices of the departments of English, History and Political Science, Mathematics, and Philosophy and Education, and the office of the Dean and the Registrar.

ALUMNI HALL. The old Chapel which has for several years past been used for the Academy was made available for an alumni hall when, in 1915, all of the college preparatory and high school work was taken over by the public school. This is a substantial frame building, fifty by one hundred feet, and contains a large assembly hall and the rooms of the Alleghanian and the Orophilian Lyceums. At present the assembly hall affords an excellent place for basketball practice.

GYMNASIUM. The gymnasium floor is in Alumni Hall. It is equipped with chest weights, dumb-bells, wands, Indian clubs, horizontal and parallel bars and mats. Dressing rooms with individual lockers are provided. The gymnasium is in charge of the physical director. The alumni and other friends of the university have started a fund known as the "Davis Gymnasium Fund" to provide a more commodious gymnasium.

HEATING PLANT. A central heating plant is in process of construction. It will be equipped with 250 horse power boilers and connected with the several buildings on the campus.

ATHLETIC FIELD. The university athletic field embraces over three acres of level land. All local intercollegiate contests in football, baseball, and track athletics are held on this field. The field affords a running track (one-sixth of a mile). Appropriate apparatus for field sports is provided.

Religious Life

While the college is non-sectarian it is distinctly a Christian institution. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. Brief chapel exercises are held every morning of the school week with the exception of Wednesday morning when a general college assembly is held at which time either a member of the faculty or a speaker from outside addresses the student body. Religious services are held every Sunday during term time and all students are urged to attend these or the services of the village church.

There is a Young Men's and also a Young Women's Christian Association, each under the management of the students themselves. The religious activities of the students are under the direction of these organizations.

Social Life

The supervision of the social life of the college is entrusted to a committee of the faculty. This committee has general oversight of the social relations of the students, of social gatherings, of the dormitories, and of the rooming of students outside of the university buildings.

Few formal regulations are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The faculty will take cognizance of unbecoming conduct, and will impose appropriate penalties therefor.

Two receptions to students and faculty are held during the year, one by the Christian Associations immediately after the opening of College, the other by the president during Commencement Week. These, together with class, lyceum and Christian Association parties provide opportunity for relaxation and habituation to social usages.

Residence Halls

THE LADIES HALL. All women students are required to reside in this hall, unless permitted, for reasons of weight, to room in approved homes in the village. Applications for such permission must be made to the chairman of the Student Life Committee.

Large, furnished rooms suitable for one or two students offer accommodations for about sixty women. The university dining hall, reception rooms and the matron's rooms occupy the lower floors. On the third floor a kitchenette is provided for residents who, for financial reasons, desire to board themselves. Such students, however, are required to take dinners in the University dining hall.

“House Government” is administered by the students subject to the general regulations of the College Women's Organization and to the supervision of the Student Life Committee. The matron is official chaperon of the house, provides for the comfort and welfare of the residents, and performs in general the duties of a house mother.

BURDICK HALL, the men's dormitory, is in charge of an official head appointed by the president, who has the custody of the university property there and supervision over the conduct of those in the building.

Student Organizations

ATHLETIC ASSOCIATION. All inter-collegiate sports are in immediate charge of the athletic association, which has foot-ball, base-ball and basket-ball teams. Tennis courts are available for the use of students and an annual tournament is maintained. Athletics, however, are not carried to extremes. The committee on athletics from the faculty, and the graduate manager exercise general supervision, for it is the purpose of the university to give due attention to the physical welfare of its students, and at the same time keep

the physical in proper relation to the intellectual and moral development.

An interscholastic meet under the general supervision of the Athletic Association is held on the university athletic field each spring, in which the high schools and academies of the surrounding country are invited to compete for a trophy offered by the university.

THE STUDENT SENATE is the executive body of student self government. It consists of seven members elected by the students. The Senate enforces Campus Rules and other student regulations, supervises class contests and decides all questions arising therefrom. It is the aim of the Senate to be representative of student sentiment and to co-operate with the faculty in matters of student welfare.

There are various other student organizations the most prominent of which are the Young Men's and the Young Women's Christian Associations to which allusion has been made under "Religious Life" p. 19. The activity of the four lyceums has been in part superseded by other work and these organizations while still remaining do not hold weekly meetings as formerly.

College Year

The college year consists of three terms of about twelve weeks each. There is a vacation at the holidays of about two weeks; a week's recess near Easter and a summer vacation of about fourteen weeks.

Class Exercises

The class period is one hour in length; in laboratory work, however, the class period is two hours. There are no classes on Saturday or Sunday. Each student is expected to have at least sixteen hours per week, and may not register for more than seventeen with the following exceptions:

(1) If a student has no standing less than B in the preceding term he may register for eighteen hours. (2) Students who have a grade of A in more than half their work may register for more than eighteen hours upon the approval of the Faculty.

Freshmen who fail to pass in at least half of their work in a term are not eligible for registration the next term. Sophomores must pass at least two-thirds of their work, and Juniors, Seniors and Specials at least three-quarters to make them eligible for registration the next term.

Unit of Measure or Credit

One class period per week for one term, is taken as the unit of credit, and is called a term hour. In each college course one hundred and ninety-two term hours are required.

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F, failure.

Absences and Excuses

It is expected that no student will be absent from any class period except in case of necessity. Reasons for absence from classes are submitted to a committee of the faculty known as the Committee on Absences. All excuses are granted with the understanding that the work missed will be made up to the satisfaction of the instructor. Unexcused absences in excess of twice the number of recitations per week will lower the grade one letter. Each absence occurring within three days preceding or following a recess shall count two, and each unexcused absence in excess of the number of recitations per week shall count two. Two unexcused tardinesses count as one unexcused absence. Absences, excused or unexcused, in excess of three times the number of recitations per week will be considered sufficient reason for suspension from the course.

Examinations

Final examinations are held at the close of each term in addition to occasional written tests during the term. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Registration

All students will register at the Dean's office on the first day of the college year; and students entering at the beginning of the second or third terms will register on the first day thereof. Any student not registering on the day set therefor will be charged a fee of two dollars for late registration.

College Fees per Year

Tuition	\$40 00
Incidentals	30 00—\$70 00
Athletics	4 00
Reading Room	2 00
College Paper (Fiat Lux)	1 50
Extras, for use of instruments, laboratory materials, etc:	
Gymnasium (Freshmen, Sophomores)	\$2 00
Surveying	8 00
Chemistry Breakage Deposit, Chem. 1, 8.....	2 00
Chemistry Breakage Deposit, Chem. 2, 3, 4, 5.....	5 00
Elementary Chemistry	10 00
Advanced Chemistry, each course	10 00
Physics 1, Laboratory	3 00
Advanced Physics, Laboratory	5 00
Botany or Zoology	10 00
Entomology	5 00
Physiology	4 00
Shop	8 00
Special examination, each.....	1 00
Graduation	5 00

Students who register for more than seventeen hours will be charged six dollars for each additional hour.

Special students taking fewer than eight hours will be charged six dollars for each hour.

Bills for college fees are due in two instalments, viz.: on or before October fifteenth, and February fifteenth, and must be paid at the office of the treasurer within ten days thereafter.

Rooms and Board

Rooms and board for women can be had at Ladies Hall, as follows:

Rooms furnished, with heat and light, per year....	\$40 00 to \$72 00
Board, per week (subject to increase)	4 50

Rooms and board for men can be had at Burdick Hall, as follows:

Rooms furnished with heat and light per year....	\$48 00 to \$64 00
Board per week, club plan, about	3 75

Rooms and board including fuel can be obtained in private families from \$5.00 to \$6.00 per week. Board in clubs organized and managed by the students themselves varies from \$3.50 to \$5.00 per week according to the means and inclinations of the students.

Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$270.00; and by exercising care, upon \$300.00. An allowance of \$350.00 is comfortable and \$400.00 is liberal.

Board, \$3.50 to \$5.00 per week.....	\$126 00 to \$180 00
Rooms	40 00 to 72 00
Laundry	12 00 to 18 00
Books	10 00 to 25 00
Class dues, etc.....	2 00 to 10 00
College tuition, incidentals and extras.....	79 00 to 95 00

Total for year	\$269 00 to \$400 00
----------------------	----------------------

Self-Support

Many of the graduates of the college have been persons of very limited means who worked their way through college. While the college cannot guarantee work to all applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the

time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses. Students should distinctly understand that when they attempt entire self-support they may find it necessary to lengthen their term of study.

Special Students

In special cases students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted, provided they produce satisfactory evidence that they are prepared to undertake the study of such subjects with advantage. The faculty, however, urges all such persons seriously to consider the desirability of qualifying for one of the regular courses.

Pre-Medical and Combination Courses

A pre-medical and combination college and medical course may be obtained by completing the first three years of either the classical or scientific course in Alfred, electing as a part of the work, the particular subjects required for entrance to the study of medicine, and completing in addition a medical course.

The Yale School of Medicine requires the following specific subjects to be included in the pre-medical course; general physics, laboratory physics or physical chemistry, general inorganic chemistry, organic chemistry, analytical chemistry, general biology, elementary psychology, and a reading knowledge of German. Yale accepts Alfred's certificate for the completion of the pre-medical course.

This combination course has been arranged for the purpose of giving the student the advantage of a first class college and medical course and shortening the term of study from eight to seven years.

Students who contemplate the pre-medical and combination courses should report the fact to the registrar upon entrance to college or as soon thereafter as possible.

Admission

Candidates for admission to the freshman class must be at least sixteen years of age and of good moral character. The particular requirements for entrance to college are explained below, and cover in each case not less than a four years' preparatory or high school course.

Preparatory work is estimated in "units." The "unit" represents a course of five recitations weekly throughout an academic year of the preparatory school. The New York State regents "count" represents one-fifth of a unit. Fifteen "units" or an equivalent must be offered.

Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

Each student must be able to pass an examination upon ten books selected from the list prescribed by the college entrance associations. The following ten are recommended: Shakespeare's *Julius Caesar*, and *The Merchant of Venice*; *The Sir Roger de Coverly Papers*; Goldsmith's *The Deserted Village*; Scott's *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Irving's *Sketch Book*; Ruskin's *Sesame and Lilies*; Lowell's *The Vision of Sir Launfal*; Longfellow's *Courtship of Miles Standish*.

In addition to the above a thorough study of each of the works named below is required. The examination will be upon subject matter, form, and structure.

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; or Tennyson's *Idylls of the King*; Burke's

Speech on Conciliation with America, or Washington's Farewell Address and Webster's Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Cæsar, four books of the Gallic War; Cicero, six orations; Virgil, six books of the Æneid, or equivalents: or four units from not more than three of the following: Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary Algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; Plane Geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, Botany, Physiology, Zoology, Physical Geography, Physics or Chemistry. Any one may be offered.

ELECTIVE—5 units in addition to the above subjects.

Candidates for the A. B. degree must offer the minimum of two units of Latin in the foreign language requirement. Candidates for the S. B. degree may substitute one unit of science and one unit of advanced mathematics for two units of foreign language. Two units of foreign language offered must be of the same language.

Summary

English	3 units
Mathematics	2 units
Foreign Languages	4 units
Science	1 unit
Elective	5 units

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as

they cover these requirements. (For description of subjects, see *Entrance Requirements*).

PRINCIPAL'S CERTIFICATE. Certificates are also received from principals of preparatory or high schools outside of New York state, provided such schools are known to the faculty for thoroughness of instruction. Such certificate must specify, in connection with each subject, the extent to which it has been pursued, by giving the text-book used, the method of instruction, the amount of time given to it, the date of the final examination, the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every detail. The college furnishes blank forms for such certificates upon application of principals of approved schools. Principals of preparatory schools who desire to have their students admitted on certificate are invited to correspond with the dean.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the day preceding registration day (Tuesday, September 24, 1918).

Conditioned Students

No student can enter the freshman class conditioned in more than one unit. This condition must be removed within one year.

Admission to Advanced Standing

Students from other colleges, having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character, including an honorable dismissal.

Courses of Study

The college offers two courses of study leading to baccalaureate degrees. Each course covers four years of work and includes one hundred and ninety-two term hours. The courses are as follows:

(a) The classical course, leading to the degree of Bachelor of Arts.

(b) The scientific course, leading to the degree of Bachelor of Science.

Required Studies in Both Courses

Numerals indicate the number of class exercises per week and term hour credits, except in physical training where two exercises per week count one credit.

Freshman Year		Sophomore Year	
English	3	English	2
*History	}	Foreign Language	3
*Mathematics		Science	3
Foreign Language	3	Logic and Psychology	2
Science	3	Physical Training	1
Physical Training	1	Elective	5
Sociology and Ethics	1		
Elective	2		

Elective Studies

The studies of the junior and senior years are elective and may be chosen from any department of instruction subject to the following conditions:

Each student on entering college will be assigned to some member of the faculty who will act as his adviser until May 1 of the sophomore year. At that time the adviser will report to the faculty the student's choice of major and

*Mathematics or history may be omitted in the freshman year, but the omitted subject must be included in the electives of the sophomore year.

minor subjects. The professor in charge of the department in which the major is chosen will then become the student's adviser for the remainder of the course. Each student shall elect a major and a minor, subject to the approval of the faculty. A major consists of twenty-four term hours in addition to the required work. A minor consists of fifteen term hours in addition to the required work. A student choosing science or foreign language as a major must elect a subject in which he has done at least one year of preliminary college work. D is reckoned as a passing mark; but of the one hundred ninety-two hours required for graduation one hundred thirty-five hours of the work of each student must have a grade of at least C and his major work must have an average grade of B. The major and the minor shall be chosen from the following groups:

Groups

- I. English
- II. German
- III. Romance Languages
- IV. Latin
- V. Greek
- VI. History and Political Science
- VII. Philosophy and Education
- VIII. Religious Education
- IX. Mathematics
- X. Industrial Mechanics
- XI. Physics
- XII. Chemistry
- XIII. Biology and Geology

(a) Students in the classical course will elect a major from Group I, II, III, IV, V, VI, VII, or VIII, and complete a total of at least 99 hours from these groups and a minimum of 36 hours from the remaining groups.

(b) Students in the scientific course will elect a major from Group IX, X, XI, XII, or XIII, and complete a total of at least 72 hours from these groups and a minimum of 63 hours from the preceding groups.

The minor shall be chosen from a group other than the one from which the major is elected.

Senior Thesis

Any senior may, not later than the first of November, elect to write a thesis in the department of his major subject upon the approval and under the direction of the head of such department. The thesis work may be done on the basis of three or five hours credit as agreed upon; and credit shall be given only when the work is accepted by the head of the department, and a type-written copy deposited with the university librarian. All thesis work shall be counted as part of the senior schedule for the third term.

Before completing thesis, seniors should consult the librarian regarding form, size, and title page of the final copy.

Bachelor's Degree

The bachelor's degree will be conferred upon students who satisfactorily complete one hundred and ninety-two term hours, as described above:

(a) *Bachelor of Arts* upon students in the classical course.

(b) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The master's degree may be conferred upon graduates having the bachelor's degree, whether of this college or of any other having equivalent courses, after one year's resident study. The candidate must elect, subject to the approval of the faculty, one major and two minor subjects in advanced courses. The major must represent eighteen term hours, and each minor, nine term hours. The candidate must pass a satisfactory examination in each subject, and must submit a thesis upon some theme chosen in the field of the major subject. The thesis must be the equivalent of nine hours' work, in addition to the eighteen hours required for the major subject. It must be approved by the professor of the department in which the major is chosen, and a type-written copy must be deposited in the university library not later than May 15.

Candidates will pay the regular tuition fee of \$70 per year and a graduation fee of \$5.

Honors

Honors are awarded at the end of the freshman, the sophomore, the junior and the senior years. The names of those to whom honors are awarded will be recorded in the books of the registrar, announced on commencement day, and printed in the annual catalogue. The faculty reserves the right to withhold any honor for cause.

In determining honors the following scale of values will be used: Each hour at A=3, Each hour at B=2, Each hour at C=1, Each hour at D=0, Each hour at E=-1, Each hour at F=-2.

Senior Honors

Three grades of honors are awarded to seniors, based on their grades for the entire college course, viz:—(a) Highest Honors, or *summa cum laude* to those having an average of 3, i. e. no grade less than A.

(b) High Honors, or *magna cum laude* to those having an average of 2.6 and no grade below C.

(c) Honors, or *cum laude* to those having an average of 2.2.

The senior class nominates, not later than the last of the first term, five of their number from whom one is chosen by the faculty to deliver an oration on Commencement day. It is expected that the senior thus chosen will give his time and attention outside of his class work to the preparation of this oration; two term hours credit is given for the same, and the student is known as the Class Orator.

Departmental Honors

Honors in the different departments of study are awarded to seniors under the following limitations:

1. The student must have pursued at least twelve hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of B or more in the studies pursued during the junior and the senior years.

3. Honors are voted by the faculty on recommendation of the professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Special Honors in Modern Languages

Juniors and seniors majoring in modern languages may become candidates for special honors in either German or French under the following conditions:

1. Application to become a candidate for these honors must be made to the head of the department not later than December 1, of the senior year.

2. The following courses (aggregating 46 hours, or their equivalents, must be taken: (a) for special honors in German: History 2 and 3, and German 2b, 3, 4a, 4b, 4c, 5a, 6, and 6a; for special honors in French: History and French courses of like numbers and titles with the German.

3. Candidates must complete 4000 pages of reading—1000 in English and 1000 in German in addition to the 2000 in the works read in the above courses—and hand in written reports on the same.

4. At the end of the senior year candidates will take a special examination—to be composed, one-half of an oral and one-half of a written test—in lieu of the regular final examinations in the department of modern languages.

Freshman, Sophomore and Junior Honors

One grade of honors is awarded to members of the freshman, sophomore and junior classes who have an average of at least 2.2, based on the grades for the current year, and who at the time of the award have no entrance condition.

A silver cup, given by the Twentieth Century Club of the Alumni of the College, is awarded to that one of the two lower classes making the highest scholastic average during the year.

Departments of Instruction

[Alphabetically Arranged]

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "*two hours*;" three exercises, "*three hours*," etc. Roman numerals signify that the course is limited to the one term named, I, II or III. Courses with year numerals following are given that year and alternate years; other courses are offered every year. Instructors reserve the right to vary from these announcements as circumstances may dictate.

AGRICULTURE AND DOMESTIC SCIENCE

The New York State School of Agriculture offers three courses in Agriculture designed to meet the needs of prospective high school principals, and others who wish to secure a general understanding of the science of agriculture.

It also offers two full year courses in Domestic Science; one in Foods and Cookery, and one in Sewing.

AGRICULTURE 1. — SOILS AND CROPS. A fundamental course dealing with the origin and properties of soil, physical analysis, tests for acidity, fertilizers, and crop rotation together with an intensive study of the cereal, forage, fibre and leguminous crops. *Three hours. I.*

AGRICULTURE 2. — ANIMAL HUSBANDRY AND DAIRYING. A course including a study of the breeds of farm animals, stock judging, breeding, feeding and general care. Practice is given in testing milk and cream by the Babcock test and in the operation of cream separators, and milking machines. *Three hours. II.*

AGRICULTURE 3. — POULTRY AND FRUIT GROWING. In this course the various breeds of poultry are studied from the utility standpoint, together with class work and practice in incubation, brooding, feeding, and general care; also in the grading and marketing of eggs and poultry. In the last half of this course the principles of fruit growing are considered including grafting, budding, pruning, spraying, and the harvesting and marketing of the crop. *Three hours. III.*

DOMESTIC SCIENCE 1.—FOODS AND COOKERY. A three term course covering in a brief way the principles of plain cooking; the classification of food materials according to the uses in the body, and the effect of heat on food nutrients as influenced by different methods of preparation. The conservation of food and especially the question of wheat and meat substitutes is thoroughly considered. The third term is devoted to a study of dietetics. *Two hours.*

DOMESTIC SCIENCE 2.—SEWING. In this course instruction is given in the drafting, cutting and fitting of garments, and in the use and alteration of commercial patterns in garment making. The conservation of textile fabrics; proportion, line, form, and color in dress are thoroughly considered. *Two hours.*

ART

College students may elect work in the courses in drawing, modeling, and design of the New York State School of Clay-working and Ceramics and obtain credit to the amount of fourteen term hours. The detailed description of courses will be found in the catalogue of the School of Ceramics.

HISTORY OF ART. Lectures and recitations illustrated with photographs and slides on the history of the arts and the appreciation of beauty in works of art. The beginnings of art. Egyptian, Greek and Roman art. The arts and crafts of the Middle Ages. The painting and sculpture of the Renaissance. Modern art. Reinach's History of Art Throughout the Ages is used as a text-book with supplementary reading and the keeping of notebooks. Lectures and recitations. *Two hours.*

ASTRONOMY

Professor W. A. Titsworth

1. GENERAL ASTRONOMY. The principles of astronomy are considered as far as possible without mathematics. Especial attention is paid to the application of physical principles and laws to astronomical reasoning. The course is cultural rather than technical in its nature. Prerequisites, Physics 1 and Trigonometry. *Two hours.*

BIBLICAL LANGUAGES AND LITERATURE

Professor Whitford

The English Bible is studied from a literary and historical point of view. By means of these courses the student is helped to a practical knowledge of the book which has exercised the most sweeping influence upon the human race.

1. **LIFE OF CHRIST.** A critical study is made of the material presented in the four Gospels with a view to ascertaining the facts about Jesus and his sayings as set forth in the oldest sources. The student is encouraged to discriminate in regard to the value of our various sources of information. *Three hours. One term.*

2. **THE SOCIAL AND ETHICAL TEACHINGS OF JESUS.** With the Gospels as a basis, the form, methods, and sources of Jesus' teachings are considered. The particular teachings that he made prominent, especially those concerning conduct and relations with fellowmen, are carefully noted. *Three hours. One term.*

3. **THE APOSTOLIC AGE.** The growth of the kingdom of God in the period immediately following the resurrection of Jesus the Christ is studied from the narrative of the book of Acts, and from the letters of the early apostolic missionaries. Light on the interpretation of the Epistles is sought from the circumstances and conditions under which they were written. *Three hours. One term.*

4. **THE ORIGIN AND RELIGIOUS TEACHINGS OF THE OLD TESTAMENT BOOKS.** An effort is made to get at the true meaning of the various books by considering them in connection with the situations that called them into being. The unfolding of religious ideals is traced. *Three hours. One term.*

5. **WISDOM LITERATURE.** The wisdom books of the Old Testament are studied with special attention to literary features and to determine the ethical content of the words of the wise men. *Three hours. One term.*

6. **EARLY HEBREW HISTORY.** The earlier narratives of the prophetic writers of the Pentateuch are studied with an effort to understand their point of view, and the lessons that they meant to teach. The period covered is from Creation to the death of Moses. The student is encouraged to make special investigation of various problems. *Three hours. One term.*

7. THE UNITED KINGDOM. This is a study of the golden age of Hebrew History, from the entrance into the promised land to the close of the reign of Solomon. The narratives of Judges, Samuel and Kings are considered with attention to the varying points of view of the writers. *Three hours. One term.*

8. WAR. A consideration of the Biblical passages that lie at the foundation of international relations. What is the justification of war? How is universal peace to be established? *Two hours. One term.*

9. BIBLICAL INTRODUCTION. An investigation concerning what the Bible is and how it is to be understood and interpreted. Literary, historical and textual problems are considered. *Three hours. One term.*

10. APOCALYPTIC. This course is an attempt to find the real meaning back of the fanciful figures of the Books of Daniel and Revelation which have been obscured by the still more fanciful interpretations of the past and of the present. *Three hours. One term.*

Courses 1 and 3, 2 and 4, 6 and 7, 9 and 10, may be combined and used as two hour courses running through the year, if a number of students prefer to take the work in this way.

For the study of the Old Testament in the original the following course is offered:

11. ELEMENTS OF HEBREW. The first eight chapters of the book of Genesis are read in connection with a study of the grammatical forms as they occur. Toward the end of the course select passages from the historical books are read at sight. The student is expected to attain a mastery of Hebrew proportionate to his mastery of Latin at the end of two and one-half years. *Four hours.*

New Testament Greek: See Greek 8 and 9.

BIOLOGY AND GEOLOGY

A. Biology

Professor Bennehoff

Gertrude Ford Bennehoff

Perhaps no location in the interior of the country has such an advantageous position for botanical research as Alfred. Its elevation affords mosses and lichens; the many swamps of the water-sheds in the hills teem with algæ, and

are bordered with dense marginal growths of ferns and lycopodiums. The water-sheds supply a very wide range of the common plants. In addition, the college campus is ornamented with a large collection of trees and shrubs of various kinds.

The work in biology aims to give the student a first-hand knowledge of the different forms in which life expresses itself, by the direct study of organisms in the laboratory. This is supplemented by the study of standard literature, and by discussion in class. Attention is paid to the relation of organisms to each other, their adaptation to their mode of life, and the application of observations to general theories and laws.

Only those courses will be given for which five or more students register.

1. BOTANY. Morphology of Coulter Barnes and Cowles. A study of the thallophyta, bryophyta, pteridophyta and spermatophyta, first in the field and then in the laboratory. Fall field work includes the study of the ecology of the native plants. The latter part of the first, and first part of the last term are taken up with the study of plant physiology as outlined in Payne's Manual of Experimental Botany. A short study of botanical nomenclature, and then herbarium work is begun. The manual used is Gray's New Manual of Botany, seventh edition. The scope of this course is very wide with the thought that the electives offered would enable the student to specialize. *Three hours.*

2. ZOOLOGY. Text, Galloway's Zoology. The aim of this course is to present the animal kingdom to the student in its widest aspect. The study of anatomy will be subordinated to that of the problems of physiology and ontogeny. The course includes the study of living animals, and the ecology of animals in field studies. *Three hours.*

3. PHYSIOLOGY. Martin's Human Body. Advanced Course. Text-book, supplemented by illustrations with the skeleton and manikin. *Three hours.*

4. BIOLOGY. Abbott's General Biology. The vital activities of one animal and one plant and the cell in its relation to life, as it appears in one-celled forms, are studied intensively. The phenomena of karyokinesis and reproduction are studied, aiding to understand theoretical work during the last term. *Two hours. I.*

5. THEORETICAL BIOLOGY. Walter's Genetics. Reviews of the work of Darwin, Lamarek, Mendel, DeVries, Spencer, Huxley, Weissman, and the earlier scientific theorists. Extensive study upon the recent works of such theorists as Wilson, Morgan and Davenport. Eugenics in relation to criminology, insanity, and similar human deficiencies, transmission, the determinants of transmitted characteristics, atavism, and recessiveness; and the more recent works along karyokinetic lines are studied. Course 4 is prerequisite. *Two hours. II, III.*

6. MICROSCOPY. This course includes a rapid review of the technique of the microscope, microchemistry with the polariscope, lenses, lighting, and the care of the instrument; temporary and permanent preparations, and some staining. *Two hours. I.*

7. CYTOLOGY. The preparation of the microscopic slide from fresh materials, through killing, fixing, dehydration, infiltration, imbedding, cutting, staining, and mounting. Where the student desires to do investigation work in particular lines, the material that he prepares can be such that it will directly aid him in the problem he studies. Prerequisite, course 6. *Two hours. II, III.*

8. LABORATORY METHODS. A course of instruction to give the laboratory problems to prospective biology teachers. All the courses are given with the thought of studying the subject matter and demonstrating the text. This course has more to do with running of the laboratory and preparing of the student of natural science for teaching the work he has already seen as a student. *Two hours. I, II.*

9. MUSEUM MANAGEMENT. Every high school is gathering a small teaching museum, and it is the aim of this course to teach the student how to run the museum and prepare the specimens. The permanent preparation may relieve the teacher of much hard work at a time when his energy could be better used than in making the temporary dissections over and over, year after year. This will be found a good course to follow course 8. *Two hours. III.*

10. CRYPTOGAMIC BOTANY. No text, but a general knowledge of the work of all our best botanists is sought after. Detailed study of the slime moulds, fresh water algæ fungi, lichens and mosses, with which our locality abounds. Course 1 is prerequisite. *Three hours.*

11. PHANEROGAMIC BOTANY. Text, Gray's New Manual of Botany, seventh edition. A study of the flowering plants throughout the year. Special emphasis on classification and use of the manual. Course 1 is prerequisite. *Three hours.*

12. ENTOMOLOGY. Text, Comstock's Manual of The Insects. Study of the classification of the insects, museum work, field work, preparing of specimens, and writing of economic papers and lectures. Collection required. Course without prerequisites. *Three hours.*

13. MAMMALIAN ANATOMY. Text, Davidson's Mammalian Anatomy with Special Reference to the Cat. A course for those students who think of taking up some form of medical work in the university. *Two hours.* Course 2 required.

14. EMBRIOLOGY. Text, Foster and Balfour's Embriology of the Chick. Course 2 is required. A study of the development of the chicken, and its relations to mammalian development. *Two hours. I.*

15. ORNITHOLOGY. Text, Chapman's Bird Book. Museum studies of the birds, followed by a course of bird walks in the spring. The songs of the birds; their economic importance as destroyers of insects; their nests and habits. *Two hours. II, III.*

16. CONCHOLOGY. A museum course in the study of shells. *Two hours.*

B. Geology

Professor Bennehoff

Alfred University offers superior advantages to the student of geology. The Allen Steinheim Museum is constructed of the representatives of every geological formation from the lowest Laurentian to the last Chemung, and yet no stone in the building has been moved more than two miles from the place in which the glaciers of the ice age left it. From these glacial moraines the student is able to gather valuable type collections, illustrating all the formations found between the north of Labrador and Allegany county. The palæontological collection is very complete, containing many duplicate specimens and a carefully selected series of casts.

The work in geology is supplemented by illustrated lectures, supplied at considerable expense, and while attendance is required of the students of the geological courses, any others may attend who desire to avail themselves of the opportunity.

1. GEOLOGY. LeConte's Elements of Geology. Dynamic and structural geology are studied by means of lectures, library reading, and field work. *Two hours. I.*

2. HISTORICAL GEOLOGY. Part III of LeConte's Elements of Geology. This is a continuation of course 1. The work of this course consists of assigned readings in the library and the collecting of one hundred specimens. Prerequisite, course 1. *Two hours. II, III.*

3. ECONOMIC GEOLOGY. Economic Geology of the United States by H. Ries. A study of the formation and localities where deposits of minerals occur in the United States; coal oil, clays, cements, lime, salt, gypsum, fertilizers, and the various precious metallic ores are considered. This course may be substituted for course 2. Prerequisite, course 1. *Two hours. II, III.*

4. PALAEONTOLOGY. An advanced course in historical geology, dealing with the flora and fauna of former epochs. The student learns to identify the various forms of fossils in the native Chemung formations, and aids in the work along this line in the Allen-Museum. There is no text-book; the student is taught to get the scientific names from original sources, and to work independently. Elective. Prerequisites, courses 1 and 2. *Two hours.*

CHEMISTRY

Professor W. A. Titsworth

†Professor Bole

‡Mr. Watson

Mr. Axford

Miss Straight

Mr. Burdick

1. CHEMISTRY. A thorough course in the theory and principles of the science of chemistry, covering Alexander Smith's College Chemistry. It is supposed that students entering this course shall have had high school physics, and

†Professor of Chemistry N. Y. S. C.

‡Instructor in Chemistry N. Y. S. A.

preferably high school chemistry. Lecture and recitations *two hours*, laboratory *one hour*. This course cannot be counted on a major in Chemistry.

2. QUALITATIVE ANALYSIS. The detailed separation of the metals, non-metals and acid radicals. The student is required to apply the theory learned in course 1 and to explain the reason for each reaction. The ionic theory, solubility product, law of concentration, hydrolysis, amphoteric hydroxides, etc., are studied and application made in the separations. A laboratory course consisting of four hours of laboratory work a week throughout the year, with one hour lecture. Required of major students. Text-book, Stieglitz, Vol. 1 and Noyes. Prerequisite, course 1 or its equivalent. *Three hours*.

3. QUANTITATIVE ANALYSIS. A laboratory and lecture course. The work embraces the principal methods of gravimetric, volumetric, colorimetric and electro-chemical analysis, and the use of the reference works and the chemical journals. This course gives quantitative application of the laws which are studied qualitatively in course 2. Prerequisites, courses 1 and 2. *Three hours. I.*

*4. TECHNICAL ANALYSIS. Lectures and laboratory work. The analysis of clays, carbonate rocks and brass is carried out in detail. The student is given the opportunity to compare different methods of analysis rather than to follow any specified method. Prerequisites, courses 1, 2 and 3. *Three hours. II, III.*

*5. GAS AND FUEL ANALYSIS. Lecture and laboratory course. Five hours per week. The complete analysis of fuel, illuminating and natural gasses is carried out in the laboratory. The study of the various fuels is taken up and different samples are analyzed by the student. The student is taught to use the Orsat and Hemphill apparatus and the Parr Calorimeter. Prerequisites, courses 1, 2, 3, 4. *Five hours. II!*

*6. PHYSICAL CHEMISTRY. Introduction to the concepts of physical chemistry. The first term is taken up with a detailed study of the qualitative laws governing gases, liquids, solids, and substances in solution. During the

*Technical courses in Chemistry may be elected in the State School of Ceramics and the State School of Agriculture.

second term a study of the phase rule and electro-chemistry is taken up and a detailed study of the laws of chemical equilibrium and applications of the same are carried out. The third term is given over to laboratory work. Prerequisites, courses 1 and 2 and Calculus. (Calculus may be taken simultaneously with this course). *Three hours. 1918-19.*

*7. ORGANIC CHEMISTRY. Two recitations or lectures and one two-hour laboratory period a week. During the first term the alephatic compounds are studied and the aromatic compounds the second term. The systematic study of the chemistry of the carbon compounds is taken up and many typical compounds are prepared in the laboratory. Required of major students. *Three hours. I, II.*

*8. FOOD CHEMISTRY. Two lectures and one two hour laboratory period a week. The aim of this course is a study of the chemistry of every day life as applied in the home, especially in the preparation of foods. The course acquaints the student not only with the qualitative and quantitative methods used in chemistry, but also with organic chemistry and bacteriology. This course can be of profit to those who may have to teach science in the secondary schools. Prerequisite, Chemistry 1. *Three hours. III.*

ENGLISH

Professor Porter
Miss White

1. ENGLISH COMPOSITION. Designed primarily to teach clear and correct expression. Themes and conferences. Reading of standard authors. Required of freshmen. *Three hours.* Prerequisite to all further courses in the department.

2. ARGUMENTATIVE COMPOSITION. Intended to develop the power of handling argumentative topics forcefully; frequent practice in brief drawing and less formal argument. *One hour. 1919-20.*

3. SHORT STORY WRITING. A study of the technique of the short story. Reading of representative short stories; writing of original stories. *One hour. 1918-19.*

*Technical courses in Chemistry may be elected in the State School of Ceramics and the State School of Agriculture.

4. ADVANCED ENGLISH COMPOSITION. Daily themes. Open to students who have passed English 1. *Two hours.* III. 1918-19.

5. ANGLO SAXON. A study of Anglo Saxon grammar. Translation of the selections in Bright's Anglo Saxon Reader and of one of the shorter Anglo Saxon poems. 1918-19. (Students majoring in English are urged to take this course.) *Three hours.* III.

6. INTRODUCTION TO ENGLISH LITERATURE. A study of representative selections of English Literature from its beginning to the present time. Required of sophomores. *Two hours.*

7 and 8. EIGHTEENTH CENTURY LITERATURE. A study of the lives, works, and times of the chief writers of the Restoration period and of the eighteenth century. *Two hours.* 1919-20.

9 and 10. NINETEENTH CENTURY LITERATURE. A detailed study of the leading writers of prose and poetry in the nineteenth century, with briefer consideration of minor contemporaries. *Three hours.* 1918-19

11. MODERN DRAMA. A study of the aspects of modern drama. Reading of recent plays of English, French, German, Scandinavian, Russian, and American dramatists. Elective for students who have credit for a year's work in English Literature. *Two hours.* III. 1918-19.

12. AMERICAN LITERATURE. A general survey of American Literature from its beginnings through the Nineteenth Century. *Two hours.* 1919-20.

13. ELIZABETHAN LITERATURE. A study of the work done by some of the chief historians, educationalists, sonneteers, and literary critics of the period. Special emphasis is given to the rise of the novel and to the development of the drama. *Two hours.* I, II. 1918-19.

14. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. (See Greek 7). With the consent of the head of the department this course may count toward a major in English. *Two hours.* Professor Hart.

15. HISTORY OF ENGLISH LITERATURE. A general survey of English Literature from its beginnings up to the Restoration period. Required for major students in the senior year. *Two hours.* I, II. 1918-19.

ETHICS

President Davis

1. PRACTICAL ETHICS. This course is a series of lectures on practical ethics. It includes a consideration of ethical problems involved in student life and in present social and industrial questions. It is required of all freshmen. *One hour. II, III.*

2. HISTORICAL AND THEORETICAL ETHICS. A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the nature, function, and authority of conscience, the origin and content of the moral law and related themes. *One hour.*

GERMAN

Professor Paul E. Titsworth

Mr. Mix

Arlotta Mix

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach German should take all the work offered in it.

German courses, Nos. 1 and 2a cannot be counted toward a major, nor No. 1 toward a minor.

1. BEGINNING GERMAN. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors five hours' credit only. No credit for a single term. *Three hours. 1918-19.*

2a. ELEMENTARY GERMAN. Rapid reading of German of medium difficulty; grammar; dictation; and oral exercises. Prerequisite, German 1, or its equivalent. *Three hours.*

2b. ELEMENTARY GERMAN. Oral and written composition; grammar review. Prerequisite, German 1, or its equivalent. *Three hours.*

3. INTERMEDIATE GERMAN. Intensive and extensive reading of modern German prose and poetry; systematic vocabulary drill; word formation; elementary etymology; grammar; and oral exercises. Prerequisite, German 2a. Those who have passed high school second year German with a standing of 85 per cent or better may take the course. *Three hours.*

4. NINETEENTH CENTURY GERMAN LITERATURE. A study of nineteenth century literature; word study; grammar; and oral exercises. Not open to freshmen. Prerequisites German 2b or 2a and German 3. *Three hours.* 1917-18.

5a. HISTORY OF GERMAN LITERATURE. An introduction to the study of the history of German literature, particular emphasis being laid upon the two classic periods of the twelfth and eighteenth centuries. For juniors and seniors. *Three hours.* 1918-19.

6. TEACHERS' COURSE. Introduction to the history of the German language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. GERMAN PRONUNCIATION. Much practice of German sounds, in class and out; detailed study of vocal organs and sound production; phonetics; orthoepics. *Two hours. I.*

6b. ADVANCED GERMAN GRAMMAR AND COMPOSITION. Study and application of the details of German grammar. Much oral and written composition. *Three hours.* 1917-18.

GREEK

Professor Hart

Professor Whitford

1. BEGINNING GREEK. Beginner's Greek Book; Xenophon (Anabasis); Prose Composition. This course may be elected during the last term by students who present one year of Greek at admission to College. It may not be counted toward a major nor toward a minor. *Four hours.*

2. GREEK LITERATURE. Homer (Iliad, Odyssey); Euripides (Medea). The finest portions of the Iliad will be read the first term; the second term will be devoted to reading the more interesting parts of the Odyssey, and the third term to the study of a tragedy by Euripides. Prerequisite, Greek 1 or its equivalent. *Three hours.*

3. GREEK LITERATURE. Lysias (selected orations); Plato (Apology, Crito, and closing chapters of the Phædo); Sophocles (Antigone). The work of the first part of the year centers about the life, personality, and influence of Socrates. In the latter part of the year the development of poetry from Homer and the epic to Sophocles and the Drama is traced. Prerequisite, Greek 2, or three years of preparatory Greek. *Three hours.*

4. GREEK DRAMA. Æschylus (Prometheus Bound, Agamemnon); Sophocles (Œdipus Tyrannus); Euripides (Bacchæ); Aristophanes (Acharnians, Birds). Lectures are given on the Greek theatre and the development of the Greek drama and its relation to modern drama. *Three hours.* 1918-19.

5. GREEK LITERATURE. Selections from the Greek Historians; Demosthenes (On the Crown). 1919-20.

6. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. It should be valuable to those intending to teach English literature. Wright's Greek Literature will be used as a basis for the course. *Two hours.* 1919-20.

7. NEW TESTAMENT. GOSPEL ACCORDING TO MATTHEW. Portions of this gospel are read with attention to the point of view of this author. The deviations from classical usage in grammar and syntax are noted. *Two hours.*

8. NEW TESTAMENT. EPISTLE TO THE ROMANS. The first eleven chapters are read with attention to the line of Paul's argument. *Two hours.*

HISTORY AND POLITICAL SCIENCE

A. History

Professor Norwood

Miss Wahl

1. HISTORY OF WESTERN EUROPE, 376 A. D. TO THE PRESENT TIME. A general survey of the history of christendom from the eve of the Middle Ages to the Great War. Emphasis will be placed on the life of the times and the conditions out of which feudalism, the crusades, the renaissance, the reforma-

tion, the French revolution, and the present war grew. Care will be taken to show the essential unity of European history. Lectures, text-book, map-work, readings, discussions and topic work. Required course for freshmen. No credit given for a single term. *Three hours.*

2. HISTORY OF MODERN EUROPE, 1648-1918. The period 1648-1789 will be studied as a preface to the French Revolution, which, with the Napoleonic wars, will receive chief attention during the course. Reconstruction after Napoleon; reaction; the stand-pat diplomacy; revolutions of 1830 and 1848; the Crimean war; unification of Italy; formation of the German Empire; the eastern question; The Balkan Wars, The Great War. Lectures, text-book, readings, discussions. *Two hours.* 1917-18.

3. BRITAIN AND GREATER BRITAIN SINCE 1485. The revival of the monarchy; the break with Rome; the Marian reaction; Elizabeth and national feeling; the contest with Spain; the puritans; king and parliament; the commonwealth; the restoration; and the revolution of 1688; William of Orange; the war of the Spanish Succession; the age of Walpole; the struggle for commercial and colonial supremacy; American independence; the industrial revolution; the French Revolution and the Napoleonic wars; parliamentary reform; the growth of democracy; social and industrial problems; growth of the imperial idea; the fiscal and constitutional crisis of 1909-1911; home rule, England and the Great War. Lectures, text-book, discussions. *Two hours.* 1918-19.

4. AMERICAN HISTORY TO 1860. European background; discovery and colonization; rivalry of French and English; colonial development; social and religious life; the critical period; adoption of the constitution; rise and fall of the federalist party; social, political, and constitutional development; westward expansion; the slavery question; causes of the Civil War. Prerequisite course 1. *Three hours.* 1917-18.

5. AMERICAN HISTORY SINCE 1860. A topical consideration of the larger problems of this strenuous period. A study of recent American problems—financial, monetary, industrial, political, diplomatic, colonial and constitutional—in their historical relations. Continues course 4; open to the same class of students and conducted in the same manner. A good knowledge of the course of events will be presupposed. Not open to lowerclassmen. Lectures, text-book, readings and discussions. *Three hours.* 1918-19.

6. PRO-SEMINAR IN AMERICAN HISTORY. The object of this course is to give the student an introduction to the rudiments of historical investigation. After preliminary lectures on the elements of historical criticism and bibliography, topics will be assigned for exhaustive investigations in some narrow field of recent American history. Open to qualified juniors and seniors. *Two hours. III. 1918-19.*

B. Political Science

1. AMERICAN POLITICS. In this course the mechanism of our federal, state and local governments will be considered as far as time will permit. Especial emphasis, however, will be placed on the actual working of the government and on current politics, as inducements to students to take an intelligent interest in public affairs. Considerable newspaper and other reading will be required. For juniors and seniors. *Two hours. I.*

2. CONSTITUTIONAL LAW. The work of this course consists of text-book study and a careful reading and discussion of a considerable number of selected cases appropriate to the field. Its chief object is to develop a clear, general understanding of the evolution and present status of the relation between the states and the federal government in our political system. *Two hours. II. 1917-18.*

3. INTERNATIONAL LAW. This course will include a brief survey of the history of International Law; the basis of law; rules governing international relations in peace and war; leading cases in the field; the contributions of the United States to the development of the law of nations; the Hague Conferences, and the recent changes in the law; the spirit of international relations; and questions growing out of the present war. Text-book, readings, and discussions. For juniors and seniors. *Two hours. II. 1918-19.*

C. Economics

1. ECONOMICS. General introductory survey of the field of economics. The laws of production, distribution, exchange, and consumption are studied, together with a brief consideration of the problems of the science as they appear in modern industrial society. For juniors and seniors. *Three hours. I, II.*

2. **CORPORATIONS.** A study of the business corporation in its various aspects—political, financial, social, economic, etc. Several books will be used as texts in connection with the course, and their contents discussed and criticized in class. Prerequisite, course 1. *Three hours. II, III.* 1918-19.

3. **MONEY AND BANKING.** After a study of monetary theory, the theory of banking and the problems of money and banking will be taken up. Special emphasis will be placed on American monetary and banking experience and problems. The new currency law will be considered toward the end of the term, and some attention will be given to the subject of foreign banking systems and foreign exchange. Prerequisite, course 1. *Three hours. III.* 1917-18.

INDUSTRIAL MECHANICS

Professor Crandall

The purpose of the founders of this department was to provide an opportunity for obtaining a ground work for successful professional study in any of the mechanic arts; architecture, civil, mechanical or electrical engineering. It is possible for a student graduating from the scientific course to enter the technical and professional schools with advanced standing, providing he elect his major and minor from the departments of Industrial Mechanics, Physics and Mathematics as well as choosing his free electives from these and related departments. It is desirable that such students should present for entrance at least one year's work in wood-working and one in drafting.

1. **ELEMENTARY DRAFTING.** Open to all regular and special students of the college. Elementary principles, geometric problems, projections, etc. *Two hours, counting one and one-half hours.*

2. **ADVANCED DRAFTING.** Open to those who have completed the first year's work and solid geometry. Descriptive geometry, shades, shadows, and perspectives, with their applications. *Two hours, counting one and one-half hours.*

3. **DESCRIPTIVE GEOMETRY** is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows,

and perspective, all developed according to mathematical principles. *Three hours.*

4. MACHINE OR ARCHITECTURAL DRAFTING. Prerequisites, courses 1, 2, and 3. This course develops complete sets of working drawings, including bills of materials and estimates of either machine, architectural, or manual training subjects as the student may elect. *Two hours, counting one and one-half hours.*

5. WOOD-WORKING. This is an elementary course open to all students of the university. The purpose is to teach the students the intelligent use of the more common hand tools used in the shop, the care and the proper methods of sharpening them, and the correct method of making the principal joints used in carpentry and cabinet-making. As soon as each kind of joint is thoroughly understood, the student is taught its practical use in making a piece of furniture or apparatus. Special stress is placed on accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. *Two hours, counting one hour.*

6. PATTERN-MAKING. Prerequisite, course 5 or its equivalent. This course aims to give the student the elements of practical wood pattern-making. Each article made is to be a practical pattern which may be successfully cast in any foundry. The work is made very technical so that the student may become acquainted with actual shop methods so far as it is possible in a school shop. Accuracy and first-class workmanship are essential for success in this course. *Two hours, counting one and one-half hours.*

7. FORGING. Prerequisites, courses 5 and 6, or their equivalent. A practical course in the drawing, welding, and bending of iron for any purpose. The management of the fire and the forge is considered of first importance in this course. A large variety of articles in both iron and steel is made during the year, the work in steel coming the latter part of the year. Such tools are made from steel as cold chisels, lathe and planer tools, and special tools for special purposes. At frequent intervals during the year lectures and demonstrations are given on such subjects as the structure and manufacture of steel and iron, welding compounds, commercial shop methods, tempering, annealing, etc. *Two hours, counting one hour.*

8. MACHINE SHOP PRACTICE. Prerequisites, courses 5 and 6, or their equivalent. This course consists of exercises in chipping, filing, and fitting, lathe and planer work, and operations on the drill press. Skill in manipulation is not sought so much as a working knowledge of methods, a familiarity with the limitations and possibilities of the tools, and a greater insight into the practical, productive, and commercial side of shop methods and management. To this end, occasional lectures are given throughout the year on such subjects as commercial machine shop methods, time keeping systems, piece-work and premium plans, cost keeping, and stock room management. *Two hours, counting one and one-half hours.*

The following courses aim to prepare students for teaching manual training in the public schools. It is expected that students electing to take these courses will take the prescribed work in Education, and courses in drawing, modeling, and design.

9. ELEMENTARY MANUAL TRAINING. This is a course for those who wish to teach in the elementary school. It covers the work of the first four years, and includes the manipulation of paper, cardboard, cord, raffia, reed, thin wood, etc. The instruction is given by lectures and work in the laboratory. *Three hours.*

10. HISTORY AND DEVELOPMENT OF MANUAL TRAINING. This is a study of the beginning of manual training in the time of Pestalozzi and Froebel, and its progress and development down to the present time. Lectures, recitations, and outside reading with papers and discussions. *Two hours.*

11. WOODWORKING AND DRAFTING. Prerequisites, courses 1 and 5. This course aims to prepare students for teaching manual training in the high schools. It includes, besides the shop and drafting room, work especially planned for manual training teachers, the planning of courses, methods of teaching shop and drafting room work, a study of woods and their growth, the preparation of lumber, etc. *Two hours.*

12. CABINET AND PATTERN MAKING. Prerequisite, course 11. This course takes up the work for the last two years of the high school, and inclines toward vocational education. The work includes wood turning, finishing for cabinet and

pattern makers, design as applied to furniture, etc. Outside reading, with papers, discussions, demonstrations and practice teaching is required. *Two hours.*

LATIN

Professor Hart

To train students to read Latin with ease is the chief aim of the instruction in the freshman year. In the later work larger interests prevail. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

Students majoring in Latin will find it to their advantage to take courses in Greek, Modern Languages, English and Philosophy. Those who expect to be recommended as teachers of Latin should take all the courses offered in the department and at least two years of Greek.

A. Latin Literature. Cicero (Selected orations); Vergil (*Æneid* I-VI). This course may not be counted toward a major nor toward a minor. Prerequisite, two years of Latin in the high school. *Four hours.*

1. LATIN LITERATURE. Selections from the Roman historians; Cicero (*De Senectute* or *De Amicitia*); Horace (*Odes* and *Epodes*). Collateral readings in Roman history and in the history of Latin literature are required. Prerequisite, Latin A, or its equivalent. *Three hours.*

2. LATIN LITERATURE. Horace (*Satires*); Juvenal (*Satires*); Pliny (selected letters); Martial (selected epigrams). The works of the authors named are read, not only with reference to their literary value, but also for the light which they shed on public and private life in ancient Rome. Prerequisite, Latin 1. 1919-20.

3. LATIN LITERATURE. A survey of Latin Literature both prose and poetry. An especial study will be made of the elegy, particularly of the poetry of Tibullus, Propertius, and Ovid, and its relation to Alexandrine poetry. Prerequisite, Latin I. *Three hours.* 1918-19.

4. LATIN LITERATURE. Vergil (*Eclogues*, *Georgics*, and *Æneid* VII-XII); Plautus, Terence (selected comedies). Prerequisite, Latin I. *Three hours.* 1920-21.

5. **LATIN COMPOSITION.** This course is designed for freshmen and other students who have studied Latin writing only in the preparatory course. *Two hours.*

6. **THE PRIVATE LIFE OF THE ROMANS.** The purpose of this course is to give by lectures, assigned readings, and a study of ancient representations as complete a knowledge as possible of Roman private life. Each student is expected to make two reports on special topics. No knowledge of Latin is required for this course. *Two hours. 1918-19.*

7. **LATIN LITERATURE.** A course in rapid reading of Latin prose authors. Prerequisite, Latin I. *Two hours.*

LIBRARY ECONOMY

Professor Clawson

1. **GENERAL REFERENCE.** This course is designed to give the student an adequate working knowledge of the library and library usage. It consists of lectures on the proper usage of the library and reading room; on the use and care of books, newspapers and periodicals; on the classification and arrangement of books; on the card catalogue, with instruction in its use; on the scope and use of dictionaries, encyclopedias, periodical indexes, government documents and other works of reference, with practical exercises applying the principles and methods discussed. The preparation of reference lists on assigned topics, and an original bibliography will be required as a part of the course. Open to all students; especially recommended for freshmen. *One hour.* No credit given for single term.

MATHEMATICS

Dean Kenyon

The aim of the work offered in this department is to present the practical uses and applications of the subjects taught, and to develop the powers of the student to think clearly, to reason logically, and to express himself accurately and concisely.

1. **ALGEBRA.** Ratio, proportion, progressions, permutations, combinations, binomial theorem, logarithms, partial fractions and theory of equations. *Five hours. I.*

2. PLANE TRIGONOMETRY. The solution of the right triangle, the oblique triangle, and the regular polygon, as well as the development and discussion of the principal trigonometrical formulas, and the solution of original exercises. *Freshman year. Three hours. I.*

3. SOLID GEOMETRY. Lines and planes in space, polyhedrons, cylinders, cones, and spheres, with numerous original exercises. *Freshman year. Three hours. II.*

4. ANALYTIC GEOMETRY. Loci, the straight line, circle, parabola, ellipse, hyperbola, and higher plane curves. *Five hours. II, III.*

5. SPHERICAL TRIGONOMETRY. The solution of right and oblique spherical triangles, the development of formulas, and various practical applications and original exercises. *Two hours. III.*

6. CALCULUS. Elements of calculus including differentiation, integration, maxima and minima, plane curves, areas, and applications to mechanics and astronomy. *Three hours.*

7. SURVEYING. Recitations supplemented by lectures and field practice with the compass, transit, level, and other surveying instruments. Attention is given to the best forms of keeping field notes of surveys, writing descriptions, plotting, computing, and proving work. *Two hours.*

PHILOSOPHY AND EDUCATION

A. Education

Professor Clarke

Miss Wilkins

The courses in this department are arranged to meet in full the requirements of the State Department of Education for the College Graduate Professional Certificate, which, without further examination, qualifies the holder to teach in any school of the state.

Courses 2, 3, 4 and 5, with their prerequisites, fulfill the requirements for the teacher's certificate. It is desirable for the student who chooses teaching as a profession to elect liberally from the remaining courses.

1. CHILD STUDY. A study of the physical and mental development of normal childhood and adolescence, planned to meet the needs of those who are interested in the training of children, whether as teachers or otherwise. Prerequisite, Psychology 1. *Two hours. I.*

2. EDUCATIONAL PSYCHOLOGY. Application of the principles of general psychology to the educative process. A study will be made of instinctive tendencies and the learning process, together with the methods of measuring intelligence and achievement in school studies. Attention is given to the psychology of adolescence and of the more important high school subjects. Prerequisite, Psychology I. *Two hours. II, III.*

3. HISTORY OF EDUCATION. A historical survey of the evolution of our present educational aims, methods, curricula, and school systems, aiming to develop a clear idea of the meaning and function of education. Prerequisite, Psychology 1. *Two hours.*

4. PRINCIPLES OF EDUCATION. An attempt to get an understanding of the fundamental factors involved in education and an intelligent interpretation of their significance, in order to discover the aims and principles which should guide and control educational practices in a society growing democratic. Prerequisites, Psychology 1 and Education 3. *Three hours. I.*

5. METHODS IN EDUCATION. (1) General methods in teaching, and the principles which should govern the social relationships of the school both in and out of the class-room. (2) An intensive study of the subject matter and methods of teaching the specific subjects which the student is planning to teach. The work in methods is paralleled by observation of public school teaching. Prerequisites, Psychology 1 and Education 3. *Three hours. II, III.*

6. HIGH SCHOOL ADMINISTRATION. A study, from the point of view of the principal and the teachers, of the problems of organization and management of the high school, considering (1) relation to community conditions, needs, and aims, (2) prospective life careers of the students, (3) the material equipment and support of the school, and (4) the co-operation of teaching and supervising staff and the controlling board. Open to Juniors and Seniors. *Three hours. III.*

7. **PRACTICE TEACHING.** The course consists of eight weeks consecutive teaching of a class in a local secondary school preceded by four weeks observation of the same class. The pupil teacher has the benefit of the class teacher's criticism and the general supervision of the Educational Department. Open only to seniors whose previous work in the department gives promise of professional success, and who have in addition the recommendation of the departments responsible for the subjects which they expect to teach. *Two hours credit. I, II, or III.*

8. **RELIGIOUS EDUCATION OF THE CHILD.** Offered by the department conjointly with President Davis, and Dean Main of the Theological Seminary. Open to juniors and seniors and interested members of the community such as parents and teachers, who may care to register for the course. In no sense sectarian. Its aim is to meet the problem of the early religious education of the child in such a way that there may be nothing to unlearn in his later contact with science and philosophy, thus avoiding the danger of a break in experience or a violent religious reconstruction. *Two hours. II.*

9. **SOCIAL PHASES OF EDUCATION.** An interpretation of the factors and processes of education in terms of their social meaning and function. *Three hours. II.*

For other special "Teacher's Courses" see Biology 8 and 9, French 6 and German 6.

For the education of subnormal children, see Psychology 3B.

B. Philosophy

Professor Clarke

Psychology 1 is the prerequisite to the courses in Philosophy. Students are advised to consult the instructor before making elections.

1. **INTRODUCTION TO PHILOSOPHY.** (1) A study of the fundamental problems of philosophy as related to the unifying of individual experience and knowledge. (2) A brief survey of the history of human thought showing at different periods the relation of social conditions and the state of scientific knowledge to the dominant problems and their attempted solutions. (3) Contemporary tendencies in philosophic thought. *Three hours.*

2. PHILOSOPHY IN ENGLISH LITERATURE OF THE NINETEENTH CENTURY. Philosophic thought as reflected in the writings of Wordsworth, Carlyle, Emerson, Tennyson, Browning, Arnold. Prerequisite, English 6. Philosophy 1 should precede or parallel the course; English 9 and 10 are advised as preliminary or parallel. *Three hours. III.*

C. Psychology

Miss Wilkins

1. ELEMENTARY PSYCHOLOGY AND LOGIC. A study is made of human nature and behavior. A general survey is followed by a more detailed examination into the mental factors involved in reasoning, inductive and deductive, including the fallacies to which such reasoning is exposed. The student is encouraged to make constant application of his knowledge in the interpretation and control of his own life of thought, feeling and action, and in the critical estimation of the attitudes and inferences of others. Required of Sophomores. This course may not be counted toward a major. *Two hours.*

2. APPLIED PSYCHOLOGY. A survey is offered of the more important practical applications of psychology as thus far developed. The psychology of advertising, of industrial and personal efficiency find a place here. *Three hours for one term.*

3. ABNORMAL PSYCHOLOGY—

A. Mental Hygiene. The nature of the various neuroses and insanities will be considered with special reference to their prevention. The Freudian theory of the origin and influence of the subconscious finds a place here. Personal efficiency and mental hygiene will be stressed.

B. The Diagnosis and Treatment of Feeble-minded Children. A study of the causes and physical symptoms of mental defectiveness, methods of diagnosis, mental tests, and the education of the subnormal child. Neurotic tendencies, epilepsy, and the influences of injuries and diseases on the normal development of the child find a place here. A valuable course for the prospective teacher, physician, or social worker. Prerequisite, psychology 1. *Two hours.*

4. EXPERIMENTAL PSYCHOLOGY. This course is aimed primarily to familiarize the student with laboratory methods

in general psychology and set forth representative results which have been obtained in the various fields. Individual research on a specially chosen problem may be carried on by each pupil during the latter half of the term.

A. Memory and Thought Process. A study of association, retention, recall, imagery, reaction time, practice, transfer of training, etc. Special attention will be given to experimental results in each field.

B. Sense Processes. A study will be made of the psychological laws of sense processes and the functioning of sense material in perception and judgment. Two hours recitation and one two-hour laboratory period per week. *Three hours.*

D. Sociology

Professor Clarke

1. THE SOCIAL FUNCTION OF COLLEGE EDUCATION. A survey of collegiate opportunities in the light of individual and social needs. A study will be made of the purpose and function of the various subjects offered by the college curriculum in their bearings upon personal development and upon vocation. Attention will also be given to improving the student's methods of study and to other problems incident to his adjustment to college life. Required of all Freshmen. This course may not be counted toward a major. *One hour. I.*

2. CONTEMPORARY SOCIAL PROBLEMS. A study of sociological subjects of present interest, such as the modern family, industry, poverty, crime, degeneracy, immigration, feminism, etc. Each student is required to prepare a paper based upon intensive study of some specific problem. Open to Sophomores. *Two hours. 1919-20.*

3. PRINCIPLES OF SOCIOLOGY. Deals with the nature and laws of human society, the primary social factors, social groupings, and the process of social evolution which has produced our present society. Course 2 should precede this if possible. *Two hours. 1918-19.*

4. COMMUNITY RECREATION. The place of recreation, (leisure-time interests and activities) in individual and community life. The relations of recreation with community welfare, family life, education, industry, and religion. Its relation to personal and community degeneracy and crime.

Commercialized recreation and community provision for recreation. The community center and the playground movements. How some communities are meeting their recreation needs. Community programs for recreation, pageantry, music, art, field days, playgrounds, athletic contests and tournaments, etc. Sources of literature and materials. Open to sophomores but preferable for juniors and seniors. *Three hours. I.*

PHYSICAL TRAINING

Mr. Fiske

Mr. Sweetland

The aim of this department is to bring the body into a condition of health and strength and to develop self-reliance, co-ordination of muscular effort and grace and precision of movement.

1. PHYSICAL TRAINING. A course intended to interest students in physical training and to form in them right habits of exercise and hygienic living. Vital and physical examinations will be given and exercises prescribed. Course open to all college students. Freshman year, *Two hours*. Sophomore year, *Two hours*.

Military training is given to the men. Guns are provided for drill work.

For women the work is divided approximately as follows:

(a) INDOOR WORK. Lectures and readings in hygiene and the physiology of exercise; gymnasium work, including marching, calisthenics, exercises with light apparatus and games. From thanksgiving to the spring recess.

(b) OUTDOOR WORK. Tennis and fall athletics suited to the season and class. Fall and spring.

*PHYSICS

Professor Waldo A. Titsworth

Mr. Potter

1a. GENERAL PHYSICS. A course in general physics for those who have had high school physics, although persons who have not had the high school preparation may be ad-

* Those who take a major in Physics will count as required work, Solid Geometry and Plane Trigonometry. Calculus should be taken as early in the course as possible.

mitted to the class. The student should have studied algebra, plane geometry and plane trigonometry. Special emphasis is laid on the application of principles studied in this course to natural phenomena and the common occurrences of daily life. The lectures are illustrated by demonstrations as far as possible. It is expected that the laboratory course 1b will be taken in connection with this course. First term, mechanics and heat; second term, magnetism, electricity, light and sound. *Three hours.*

1b. GENERAL PHYSICS LABORATORY. This course is planned to accompany course 1a, but will be open to any who have had a lecture course in general college physics without the corresponding laboratory work. Typical experiments illustrating the principles of physics are performed by the student in a well equipped laboratory. Experiments will also be written up in the laboratory. About twenty-five experiments will be performed during the year. Two double laboratory periods a week. *Two hours.*

2a. LIGHT. An advanced course in this subject, following a standard text such as Edser's *Light for Students*. Open to those who have had Course 1. *Three hours. I.*

2b. HEAT AND MAGNETISM. A continuation of Course 2a and open to students who have had Course 1. *Three hours. II.*

2c. ELECTRICITY. An advanced course in the Theory and practical application of the principles of electricity. Open to students who have had Course 2b. *Three hours. III.*

3. ELECTRICAL MEASUREMENTS. Laboratory course accompanying Physics 2c. *Four hours. III.* This course is required of major students.

4. MECHANICS AND APPLIED PHYSICS. This course is open to any student who has taken Calculus and Physics 1. It covers a thorough mathematical discussion of many physical problems. *Three hours.*

PUBLIC SPEAKING

Lucia Weed Clawson

1. ELEMENTARY PUBLIC SPEAKING. Principles of Voice and Gesture, with application of the same in the interpretation of literary and dramatic classics. Development of poise and individuality before an audience. Systematic analysis of thought processes as revealed through the spoken

word. First principles of impersonation with practice in pantomime. Correction of vocal defects and personal mannerisms. A careful study of masterpieces from Shakespeare, Browning, Tennyson, etc. This course covers one college year. *Two hours.*

2. **ADVANCED PUBLIC SPEAKING.** Continued application of the principles of Voice and Gesture. Impersonation of scenes from plays. Interpretation of poetry, the oration, and the short story. Stage business for theatricals. Careful drill on selections of the student's choice. This course covers one college year. A Certificate of Proficiency may be issued upon the student's satisfactory completion of the two years' course. *Two hours.*

RELIGIOUS EDUCATION

Alfred Theological Seminary offers twelve courses to college students of which a minimum of twenty-four hours may constitute a major in Religious Education. Students majoring in this department should elect as collateral work physiology, educational psychology, child study, and public speaking. (For more extended description of the courses in this department see catalogue of Alfred Theological Seminary.)

1. Biblical Introduction. *Three hours, one term.*
2. Old Testament History. *Three hours, one term.*
3. Social Ethics of the Old Testament. *Three hours, one term.*
4. New Testament History. *Three hours, one term.*
5. Social Ethics of the New Testament. *Three hours, one term.*
6. The Bible as Literature. *Three hours, one term.*
7. Priestly Elements in the Old Testament. *Three hours, two terms.*
8. The Life of Christ. *Three hours, one term.*
9. The Apostolic Age. *Three hours, one term.*
10. The Philosophy of Religion:—
 - A. Historical and Epistemological. *Three hours, one term.*
 - B. Psychological and Ethical. *Three hours, one term.*
11. Christian Theology. *Three hours, two terms.*
12. Principles of Religious Education. *Three hours, one term.*

ROMANCE LANGUAGES

Professor Paul E. Titsworth

Mr. Mix

Mr. Maxson

Miss Cottrell

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach French should take all the work offered in it, and those looking forward to possible graduate study in the same should take *at least* freshman Latin.

French courses, Nos. 1, and 2a, cannot be counted toward a major, nor No. 1 toward a minor.

A. French

1. BEGINNING FRENCH. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors five hours' credit only. No credit for a single term. *Three hours.* 1917-18.

2a. ELEMENTARY FRENCH. Rapid reading of French of medium difficulty; grammar; dictation; and oral exercises. No credit for a single term. Prerequisite, French 1 or its equivalent. *Three hours.*

2b. ELEMENTARY FRENCH. Oral and written composition, grammar review. Prerequisite, French 1 or its equivalent. *Two hours.* 1917-18.

3. INTERMEDIATE FRENCH. Intensive and extensive reading of modern French prose and poetry; systematic vocabulary drill; word-formation; elementary etymology;

grammar; and oral exercises. Prerequisite, French 2a. Those who have passed high school second year French with a standing of 85 per cent or better may take this course. *Three hours.*

4a. NINETEENTH CENTURY FICTION. Literary study of fiction; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2a and 3. *Three hours. I. 1918-19.*

4b. NINETEENTH CENTURY POETRY. Literary study of the lyric poetry; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2b and 3. *Three hours. II. 1917-18.*

4c. NINETEENTH CENTURY DRAMA. Literary study of the drama of last century; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2a and 3. *Three hours. III. 1917-18.*

5a. HISTORY OF FRENCH LITERATURE. An introduction to the study of French literature. For juniors and seniors. 1918-19.

5b. MOLIERE. An intensive study of the life and works of Moliere. Lectures, assigned readings and reports. *Three hours. I. 1917-18.*

6. TEACHERS' COURSE. Introduction to the history of the French language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. FRENCH PRONUNCIATION. Parallel to German 6a. *Two hours. II.*

B. Spanish

1. BEGINNING SPANISH. The essentials of grammar; oral and written composition; pronunciation, and translation. No credit for single term. *Three hours. 1917-18.*

2. ELEMENTARY SPANISH. Study of recent narrative writings. Rapid reading of selections from Galdos, Ibanez, Bazan, Valera, and others. *Don Quixote* in English translation is required as outside reading. *Three hours. 1918-19.*

Department of Music

Ray Winthrop Wingate, Director—Professor of Music

The Department of Music offers courses in the practical and theoretical study of music, and is designed to fit students for the profession as artists, theorists, teachers or critics.

The general plan is twofold:

First—To give an opportunity to those who desire to make a serious study of music with a view to a professional career.

Second—To offer instruction to those who wish to specialize in some branch for their own personal satisfaction.

Courses of Instruction

At the present time four branches are offered: piano, voice, organ and stringed instruments, beside an extended course in harmony, theory and history of music.

These courses lead to a certificate of merit, a diploma of graduation, and a post-graduate course diploma.

Piano

The application of selected studies for overcoming difficulties, the study of memorizing for analytical insight, the study of interpretation for artistic performance, and, in general, the gradual development by means of modern technique, are the methods used in this department for the training of the student. An intellectual understanding of a composition and the artistic interpretation will be the result of the application of these principles. *Two hours credit for one term's work.*

The courses in Piano are as follows:

PIANO 1. The New England Conservatory Course, grade 1, with 1st grade pieces.

PIANO 2. New England Conservatory Course, grade 2, and selections from the Etudes of Kohler, Lemoine, Duvernoy, Burgmuller and Brauer, together with 2d grade pieces.

PIANO 3. Selections from the Etudes of Berens, LeCouppéy, Krause, Czerny and Jensen from the 2 Part Inventions of Bach, together with 3d grade pieces.

PIANO 4. Selections from the studies of Cramer and from the 3 Part Inventions of Bach. Scales, arpeggios, and double thirds in all keys. 4th grade pieces.

PIANO 5. Selected studies from Czerny op. 740 and the Gradus ad Parnassum of Clementi, together with 5th grade pieces.

PIANO 6. Selections from the Preludes of Chopin, Etudes of Moscheles, op. 70, Preludes and Fugues of Bach, Etudes of Chopin, of Liszt, and of other composers. One or more concertos selected from the works of Beethoven, Schumann, Chopin, Liszt, Tchaikowsky, Grieg and St. Saens. 6th grade pieces.

PIANO 7. (Post-graduate). The most difficult pianoforte music, comprising selections from the works of Beethoven, Schumann, Chopin and Liszt, and from the works of Claude Debussy, Vincent D'Indy and Gabriel Faure of the Modern French School, together with the most difficult pianoforte concertos.

Methods for producing refined tone, phrasing, and pedalling are taught in all of the piano courses.

Voice

Here the work demands a study of pure and resonant vocal sounds, to develop the capacity for producing such tones, to strengthen the voice and extend the range. The ear is a very great factor in the vocal world—thus it must also be trained. If started at an early age the great majority, contrary to the commonly accepted idea, could learn to sing and cultivate the art of singing. *One hour credit for one term's work.*

Preparatory Course

Fundamental principles of voice building. Position while singing, natural methods of breathing, vowel studies and tone placement.

Easy songs by composers of the old classical school. Studies and vocalizations by Garcia and Panofka.

Intermediate Course

Sight reading and ear training; vocalizations for enunciation and phrasing; studies from Panofka, Concone, and Garcia. Selected songs from the old Italian school.

Advanced Course

Phrasing and coloring of tone. Artistic interpretation; songs from the English and Italian composers of the modern school. Studies from Mazzoni, Lieber, Vaccai, etc.

Post-Graduate Course

For students who desire further knowledge of the art either as teacher or advanced soloist. Songs of both sacred and secular nature. Arias from the standard operas and oratorios. Songs from the modern composers of the French, German and Italian schools, special stress being laid on diction and interpretation.

Organ

The completion of the elementary grade of the piano course is required for admission to the organ course. This course is designed especially to provide a thorough and complete education as a choir master and organist.

It consists of the study of manuals, manual touch, easy registrations, pedal playing, compositions for church service and concert performance, choir training, etc. *One hour credit for one term's work.*

Harmony

1. Fundamental principles of harmony, origin and development of the major and minor scales and intervals; chords and their inversions, circle of major and relative minor keys; ear training, harmonizing melodies, modulation. *First term.*

2. Dominant seventh, ninth, eleventh and thirteenth chords, altered and dissonant chords, ear training and modulation, harmonizing, melodies, four part harmony, both major and minor. *Second term.*

3. Suspensions and retardations; changing and passing tones; modulations, key board modulation; pedal or organ point; original work in composition.

4. Vocal or open harmony; modulations, chords of five or more parts; practical application of harmonic principles in original work. Key board harmony. Original compositions. III.

The text-book used is that of George W. Chadwick, director of the New England Conservatory of Music. *Two hours credit for each term.*

Normal Courses

Normal courses in Pianoforte and Voice are offered to those students who desire to teach either Piano or Voice. The students are required to teach pupils in the class room after having received a Course of Preliminary lectures and demonstrations. All candidates for the Diploma of the University Music Department in the Piano or Voice Teachers' Course are required to take the full Normal Course which consists of three terms. One hour credit for each term.

Theory

This course begins with the acoustics, vibrations and their governing laws; notation, orchestral instruments, musical forms, clefs, scale formulas, tempo marks, abbreviations in general use in music; analyzing song forms, fugues, sonatas, overtures, etc. The text-book used is that of Louis C. Elson. *One hour credit for one term.*

History of Music

Origin and development of the music of ancient and oriental nations. History of the mass; oratorio, opera, symphony, sonata, overture; development of musical instruments; biographies of the great romantic, classic, and modern composers. *One hour credit for one term.*

Teacher's Course for Supervisors and Teachers of Public School Music

The purpose of teaching music in the public schools is three-fold.

First—To enable the largest possible number of children to participate correctly and tunefully in the singing.

Second—By this means to develop in them a love and taste for good music.

Third—To teach as many of the principles and as much of the practice of sight singing as is possible under the circumstances.

This course is the course used at the New England Conservatory of Music by Samuel W. Cole. It begins with the very first day in school, presents all the difficult problems through all the grades and gives the student a thorough understanding of all the conditions that may arise.

Each student will have direct application of all the steps used in the class room by teaching the class as if it were composed, not of fellow students, but children. The ground is thoroughly covered from the first rote song to high school choruses and cantatas. *Two hour credit for one term.*

All pupils who desire to graduate in The Public School Music course must have at least three terms of each of the following: Voice, Piano, Harmony, Theory, History of Music, Chorus and Solfeggio, plus the required course in Public School Music which takes *one year*. This course may be completed in one year but it is earnestly recommended as a two year course for the best results.

The Department of Music receives each year a large number of inquiries for well equipped teachers in Public School Music. There are many positions as Supervisors of Music which demand well trained teachers. A large number of our recent graduates hold such positions.

A Certificate is given each student who satisfactorily completes this course. No student is allowed a recommendation to supervise and teach public school music without this certificate. In the majority of cases no examination is required of supervisors of music who are recommended by the Director of Music, to teach music in the public schools. The demand for teachers and supervisors is greater than the number that graduate. *Ten hours of observation in music classes is required.*

Solfeggio

This course consists of a thorough drill in sight singing and sight reading. Its aim is not only for one to be able to participate in musical composition at sight but to be able to read at sight, thus enabling one to follow another who is singing both tunefully and correctly. Solfeggio consists of exercises for the voice according to the rules of solfaing. Ear training is a very important factor in Solfeggio, thus this course includes both ear training and sight singing. Pupils are trained to write, in correct notation, musical phrases which are played or sung to them, beginning with the simplest phrase and progressing until difficult melodies in either major or minor can be notated with ease. *One hour credit for one term.*

Chorus

The university chorus, a large body consisting primarily of students but excluding none of the townspeople who can pass the required examination, is the greatest musical organization of the school. The chief aim is to give at least one of the productions of the great masters, in the line of oratorios, operettas, and cantatas. The chorus consists of over one hundred voices. This year the chorus will present the Operetta Bo'sn's Bride by Inch and Rhys-Herbert. *One hour credit per year.* A small fee will be charged. The chorus presented the "Holy City" by Gaul twice in 1913, the "Wreck of The Hesperus" by Anderton and "Queen Esther" by Bradbury in 1914; Sullivan's "Prodigal Son," in 1915; "Paul Revere's Ride" by Busch in 1916. Old and Modern Glees in 1917.

Glee Club

The University Glee Club composed of sixteen of the best male voices has completed its second year with a whirlwind of success. During the first year concerts were given in eastern New York and New Jersey. Last year the club went to New York City, Buffalo, Rochester, New Rochelle, East Orange and many cities of western New York and New Jersey. Members are chosen by competition. *Two hours credit per year.* All men come and try out for the club.

Orchestra

The university boasts of a fine orchestra which plays at all the large school functions and assists in the performances of advanced piano students in concerts, chorals and oratorios. *One hour credit per year.*

Band

The aim of a band is to give the students who possess ability in band instruments an opportunity to make use of their talent. The band plays at all school meets such as mass meetings, foot-ball, base-ball and basket-ball games.

Recitals

Throughout the year recitals are given by members of the faculty and advanced students to which the public are cordially invited. No admission is charged.

Recitals are given once a month by the students before an audience of friends and fellow students. These recitals are not exhibitions, but are intended to give the pupil experience in public performing.

The school year in this department consists of three terms of twelve weeks each. It is earnestly requested that students register at the beginning of each term, but special students may enter at any time for private instruction.

Lessons, regularly assigned, if missed, cannot be made up, unless on account of illness and then only upon application to the instructor. Thus lost lessons are a loss to the pupil. Unavoidable lost lessons must be made up before the next term begins.

No student will be registered for less than a term's work, (twelve lessons).

A thorough drill in stage deportment is given free to all registered students.

Students in the piano course before receiving a diploma must have at least three terms of harmony, theory and history of music, solfeggio and chorus. In the vocal course at least, three terms each of piano, harmony, theory, solfeggio, chorus and history of music.

Practice pianos may be rented in the practice rooms at the rate of two dollars per term, 1 hour a day.

Any of the above courses may be taken by students of the college as elective courses, for which they receive the given credit up to an amount not to exceed twenty-one term hours.

If sufficient demand be made by the students for other instruction than above offered the department will endeavor to secure the required instructors.

All instruction in piano, voice and organ is private; in all other subjects in class.

Harmony, theory, public school music and history of music students recite twice a week.

Tuition

Per Term (Twelve Weeks)

Preparatory Course—

Voice, one lesson per week.....	\$12 00
Piano, one lesson per week.....	12 00
Two lessons per week.....	24 00

Post Graduate Course—

Voice, one lesson per week.....	16 00
Piano, one lesson per week.....	16 00
Two lessons per week.....	32 00
Organ, one lesson per week.....	12 00
Harmony, two lessons per week.....	15 00
Theory, two lessons per week.....	15 00
Music History, two lessons per week.....	10 00
Public School Music, two lessons per week.....	15 00
Solfeggio and Ear Training, two lessons per week..	10 00
Normal Voice or piano.....	12 00

Tuition is payable strictly in advance, unless otherwise arranged, at the office of the college treasurer.

Artist Concerts

The Music Department has given the students and townspeople two "Artist" song recitals this year: Lucy Marsh, the great lyric soprano on October 14, and Frederic Martin, "America's Basso," on November 27. During the year other equally noted artists will be heard here in concert.

Needy students, found worthy, may receive special assistance and partial free scholarships from the Director of Music.

Degrees Conferred

June 7, 1917

BACHELOR OF ARTS

Hazel Lottie Perkins	Rupert, Vt.
Mary Zulieka Richardson	Wellsville

BACHELOR OF PHILOSOPHY

Eunice Belle Anderson	Panama
Hubert Donald Bliss	Bolivar
Jessica Brocton Davis	Alfred
Gertrude Ford	Garwin Ia.
Genevieve Katherine Hart	Corning
Leona Ellsworth Hoffman	Shiloh, N. J.
Mabel Estella Hood	Hornell
Burtis Rupert Murdock	Hornell
Mildred Taber	Buffalo
Rose Anne Trenkle	Portville
Dorothy Pauline Wells	Ashaway, R. I.
Mildred Carolyn Whitney	Machias
Norman Jehiel Whitney	Machias

BACHELOR OF SCIENCE

Sidney Devere Burdick	Little Genesee
Martha Rebekah Cobb	Yonkers
Robert Morell Coon	Leonardsville
Stanton Hoffman Davis	Alfred
Marian Elliott	Wellsville
Edward Falworth Rudiger Greene	Alfred
Ellen Cleaver Holmes	Alfred
Myron Elwood Kenyon	Westerly, R. I.
Hazel Parker	Wellsville
Ernest Herman Perkins	Hornell
Edward Earl Saunders	Alfred
Harold Briggs Saunders	Alfred
Ernest H. White	Leonardsville

BACHELOR OF PHILOSOPHY IN CERAMICS

Mary Emily Saunders	Alfred
---------------------	--------

BACHELOR OF SCIENCE IN CERAMICS

Erling Eli Ayars	Alfred
Willard James Sutton	Hornell

BACHELOR OF SCIENCE IN APPLIED ART

Harold Christian Clausen	Binghamton
Guy Lynn Rixford	Wellsville
Nellie Irene Wells	Granville

Honors

1916—1917

SENIORS

High Honors

Robert Morell Coon Ellen Cleaver Holmes Edward Earl Saunders

Honors

Stanton Hoffman Davis	Guy Lynn Rixford
Marian Elliott	Mary Emily Saunders
Hazel Lottie Perkins	Mildred Taber
Mary Zulieka Richardson	Nellie Irene Wells

Department Honors

Marian Elliott	Mathematics, Philosophy and Education
Gertrude Ford	Biology and Geology
Leona Ellsworth Hoffman	Biology and Geology
Ernest Herman Perkins	Biology and Geology
Hazel Lottie Perkins	Modern Languages
Mary Zulieka Richardson	Modern Languages
Guy Lynn Rixford	Applied Art
Edward Earl Saunders	Physics and Mathematics
Willard James Sutton	Chemistry
Nellie Irene Wells	Applied Art
Norman Jehiel Whitney	English

JUNIORS

Alice Marie Baker	Lawrence Meredith Maxson
Eli Roe Bartoo	Harold Siegrist Nash
Celia Cottrell	Phyllis Palmer
Alice Augusta Cranston	Mildred Frederica Place
Emmet Fritjof Hildebrand	Clifford Miller Potter
Laura Marguerite Keegan	Lucile Belle Robison
	Marian Enid White

SOPHOMORES

Wayland Harold Burdick	Robert Ford Sherwood
Earl John Burnett	Elsie Roana Tefft
Elizabeth Randolph Davis	Hilda Baker Ward
Mary Louise Greene	Gertrude Lucy Wells
Hazel Marie Humphreys	Mary Elizabeth Wilson
Adolph Ernest Meier	

The cup offered by the Twentieth Century Club to the one of the two lower classes making the highest scholastic average has been won this year by the Sophomore class.

FRESHMEN

Charles Willis Alsworth	Wayne L. Jackson
Lois Augusta Cuglar	Sherman Spicer Kenyon
Muriel Stevens Early	Helen Bishop Kies
Margaret Huldah Everson	Dorothy Iola Lanphere
Marion Elizabeth Fitzgerald	Elizabeth Luceba Latimer
	Marion Reed Roos

Register of Students

1917-1918

SENIORS

Name	Residence	Course
Babcock, Pauline Marie	Alfred	Clas.
Baker, Alice Marie	Corning	Phil.
Bartoo, Eli Roe	Harrison Valley, Pa.	Sci.
Blumenthal, George Jr.	New York	*Eng.
Brown, Ruth Lydia	Brookfield	Phil.
Cottrell, Celia	Plainfield, N. J.	Clas.
Cranston, Alice Augusta	Bolivar	*Art
Crawford, George Eugene	Cameron Mills	*Eng.
Gaiss, Aloysius Joseph	Corning	Phil.
Harer, Ruth Charlotte	Corning	Clas.
Hildebrand, Emmet Fritjof	Cornwall-on-Hudson	Sci.
Keegan, Laura Marguerite	Binghamton	Clas.
King, Walter Francis	Olean	*Eng.
Maxson, Lawrence Meredith	West Edmeston	Clas.
Nash, Harold Siegrist	Buffalo	*Art
Palmer, Phyllis	Alfred Station	Phil.
Place, Mildred Frederica	Alfred	*Art
Poole, Clesson Orlando	Alfred	Sci.
Potter, Clifford Miller	Almond	Sci.
Robison, Lucile Belle	Salamanca	*Art
Savage, Anna Cregan	Hornell	Clas.
Smith, Ethel Mae	Alfred	Phil.
Wahl, Julia Agnes	Wellsville	Phil.
White, Marian Enid	Falconer	Phil.

*Ceramics

JUNIORS

Name	Residence	Course
Axford, Vincent	Brewster	Sci.
Ayars, Alice Annie	Alfred	Art
Baxter, Dorothy Belle	Mechanicville	Phil.
Burdick,-Wayland Harold	Hornell	Phil.
Burnett, Earl John	Hornell	Clas.
Canfield, Ruth Ella	Friendship	*Art
Davis, Elizabeth Randolph	Alfred	Phil.
Fess, LeRoy Ernest	Crittenden	Clas.
Fuller, Donald Herald	Scio	*Eng.
Hagar, Donald	Red Hook	*Eng.
Hamilton, Florentine Anna	Oradell, N. J.	Clas.
Humphreys, Hazel Marie	Corning	Clas.
Hunting, Mary Lucetta	Plainfield, N. J.	*Art
Larson, Ethel Anna Eleanora	Portville	Phil.
Lobaugh, Frank Earley	Ridgway, Pa.	*Eng.
Meier, Adolph Ernest	Paterson, N. J.	*Eng.
Morehouse Ethel Margaret	Belmont	Phil.
Pidcock, Gladys Gray	White House, N. J.	Phil.
Sherwood, Robert Ford	Hornell	*Eng.
Spencer, Lelia Marie	Arcade	Phil.
Stevens, Dorothy Eliza	Port Leyden	Clas.
Stillman, Hazel Isabel	Alfred	Phil.
Swallow, Elsie Mitchell	Corning	Phil.
Tefft, Elsie Roana	Greenwich	Clas.
Ward, Hilda Baker	German Valley, N. J.	Clas.
Wells, Gertrude Lucy	Friendship	Phil.
Wilson, Mary Elizabeth	Westwood, N. J.	Sci.
Worden, Dean Maxson	Brookfield	Sci.

*Ceramics

SOPHOMORES

Name	Residence	Course
Ackerly, Mary Louisa	Cuba	*Art
Alsworth, Charles Willis	Arcade	Sci.
Baxter, Jean Angelia	Mechanicville	Clas.
Benson, Esther Irene	Medina	Phil.
Burdick, Tina Emilie	Alfred Station	*Art
Carter, Charles Milton	Almond	Sci.
Clark, John White	Wilcox, Pa.	Sci.
Collin, Louis Parsons	Red Hook	*Eng.
Cornell, Glen Wallace	Jamestown	Phil.
Cross, Grace Louise	Canisteo	Clas.
Cuglar, Lois Augusta	Massena	Clas.
Cullinan, James William	Silver Springs	*Eng.
Cullinan, John Francis	Silver Springs	Sci.
Danforth, Frederick Clair	Silver Springs	Sci.
Davis, Boothe Colwell, Jr.	Alfred	Sci.
DeMott, Paul Rome	Paterson, N. J.	*Eng.
Earley, Muriel Stevens	Andover	Clas.
Everson, Margaret Huldah	Fort Plain	Clas.
Fitzgerald, Marion Elizabeth	Monroe	Clas.
Grombecker, Helen Grace	New York	Clas.
Harrington, Henry Waldron	Oxford	*Eng.
Henry, Edna May	Reisterstown, Md.	Sci.
Hosler, Paul Melville	Almond	Clas.
Jones, Sara Esther	Alfred	Phil.
Kenyon, Sherman Spicer	Westerly, R. I.	*Eng.
Kies, Helen Bishop	Springville	Phil.
Langworthy, Catherine Elizabeth	Alfred Station	Phil.
Lanphere, Dorothy Iola	Little Genesee	Clas.
Latimer, Elizabeth Luceba	Arkport	Clas.
Law, Hollice Edna	Ellicottville	Clas.
MacFadyen, Loudon Edward	Watervliet	*Eng.
McPhilmy, Myrtle Frances	Port Leyden	*Art
McTighe, J. Norbert	Binghamton	Sci.
Mapes, Elmer Stephens	Canaseraga	Clas.
Monroe, Grayden Elwood	Alfred Station	Sci.
Negus, Wayland	Geneva	*Eng.
Nichols, William George	Bolivar	Sci.
Pollock, Alfred Lee	Argyle	Sci.
Randolph, Ruth Fitz	Great Kills	Clas.
Reid, William Harold	Elmira	*Eng.
Roos, Marion Reed	Buffalo	Sci.
Straight, Edna Adaline	Almond	Phil.
Streeter, Beatrice	Bolivar	*Art
Vossler, Gustav Adolph	Wellsville	Sci.
Witter, Ray Charles	Warsaw	Sci.

*Ceramics

FRESHMEN

Name	Residence	Course
†Babcock, Doris Amy	Alfred	Clas.
Banghart, Margaret Gertrude	Glen Gardner, N. J.	Sci.
†Barresi, Cewsme	Silver Creek	Sci.
Clarke, Eloise Tacie	Andover	Clas.
†Clarke, Welcome Errington	Friendship	Sci.
Clerke, Leah Madeline	Spring Valley	*Art
Crofoot, Alfred Burdet	Shanghai, China	Sci.
†Croxford, Hazel Wilhelmina	Cohoes	Clas.
†Davis, Gladys Maralyn	Alfred	*Art
Davis, Harold Lester	Leonardsville	Sci.
Dinsmore, Emma Adelaide	Baltimore, Md.	Clas.
†Eichorn, Leonora Kathrine	Athens	Sci.
†Emerson, Isabel Spencer	Hornell	Clas.
Fassette, Bertha Izobele	Adams Center	Clas.
Greene, Winifred	Alfred	Clas.
Haggerty, Grace Alma	Humphrey	Clas.
Haynes, Leon Edwin	Cuba	Sci.
†Holmes, Henry Maxon	Alfred	Sci.
†Holmes, Lois King	Alfred	*Art
Husted, Saron M.	Woodhull	Sci.
Jackson, Hazel Marguerite	Castile	Sci.
†Kane, Donald Edward	Baldwinsville	*Eng.
Lyttle, Frobisher Theodore	Albany	*Art
Mack, Isabella Darling	Yonkers	Clas.
†Moyer, Donald Wormuth	Baldwinsville	Sci.
Neuwiesinger, Margaret Sarah	Califon, N. J.	Sci.
O'Brien, Mary Agnes	Hillsdale, N. J.	Clas.
Ockerman, Elmer Harper	Buffalo	Sci.
†Phillips, Ruth Amanda	Hornell	Clas.
†Plank, Ross Dewey	Hornell	*Eng.
Randolph, Florence Fitz	Alfred	*Art
Randolph, Sarah Fitz	Great Kills	Clas.
Randolph, Wardner Titsworth Fitz	Fouke, Ark.	Clas.
Robison, David Vincent	Salamanca	*Eng.
Schroeder, Emma Rosina	Nanuet	*Art
Sollers, Pleasance Goodwin	Pikesville, Md.	Sci.
†Stillman, Mildred Leona	Alfred	*Art
Stillman, Ruth Alberta	Alfred	Clas.
VanHorn, Amey Doris	Gentry, Ark.	Clas.
Walsh, Ada Margaret	New York	Clas.
Wilber, Doris Evelyn	Allegany	Sci.
†Witter, Robert Ellsworth	Warsaw	Sci.
†Conditioned		*Ceramics

SPECIALS

Name	Residence	Course
Baumann, Fred Emil	East Paterson	Classical
Carney, Mildred Esther	Hornell	Ceramics
French, Vida	Rye	Science
Proodian, Egiy Kerkor	Worcester, Mass.	Ceramics
St. John, Leota Edytha	Alfred	Ceramics
Shofu, Kenji	Kyoto, Japan	History
Shofu, Shunichy	Kyoto, Japan	Ceramics

SUMMARY

Seniors	23
Juniors	28
Sophomores	45
Freshmen	42
Specials	7
Total	145

Gifts and Bequests

Suggestions

The demands upon institutions of learning are broadening year by year, and equipment and endowment must be increased to keep pace with the demands. Alfred is no exception to this rule. With the assistance of her friends, she has been enabled to meet the advancing needs to a good degree, but not to as large an extent as she desires. Relying upon a continuation of that kindly interest in her work, there is here presented for consideration a variety of channels into which substantial aid in meeting the demands of the future may be directed:

INCREASE IN THE GENERAL ENDOWMENT FUND, the income of which shall be at the disposal of the university for its general expenses.

THE ENDOWMENT OF PROFESSORSHIPS. Twenty-five thousand dollars will endow a professor's chair.

THE ENDOWMENT OF SCHOLARSHIPS to pay the term bills of worthy but needy students. One thousand dollars will endow a scholarship.

A scholarship may be instituted conditionally by the payment of one hundred dollars, and kept alive by a payment of not less than twenty-five dollars every two years thereafter, until one thousand dollars have been paid, and the beneficiary will be credited on his tuition charges with the income of the fund. Where the scholarship is founded by a church or society, if twenty-five dollars or more be added to the principal annually, the beneficiary will be granted free tuition.

THE CENTENNIAL FUND was established in 1899 with the expectation that it would amount to \$100,000 when the university celebrates its centennial. Gifts to this fund may be made in amounts from \$1 to \$100.

THE GIFT OF BOOKS and of money to buy books.

Forms for Bequests

1 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, to be safely invested, and called "The _____ General Endowment Fund;" the net income only to be used for the general expenses of the University.

2 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Twenty-five thousand dollars, to be safely invested, and called "The _____ Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

3 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of One thousand dollars, to be safely invested, and called "The _____ Scholarship;" the net income only to be used for the payment of the term bill of some worthy and needy student, the surplus income, if any, to be at the disposal of the University.

4 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars to be expended in the purchase of books for the Library.

The Alumni Association

The membership of this Association includes graduates and former students, members of the faculty and those who have received honorary degrees from the university. By recent action of the Association the members are classified in two groups, Regular members and Sustaining members. The Regular members pay an annual membership fee of one dollar, and the Sustaining members, an annual membership fee of five dollars.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their alma mater, as well as to promote the general welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the university, giving it the name of the **KENYON-ALLEN ENDOWMENT FUND**. This fund now amounts to twelve thousand dollars. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. Four-fifths of the five dollar fee paid by Sustaining members is turned over to this fund. The income of this fund is used to assist in the payment of the salary of the President of the university.

The Association frequently provides courses of lectures given by its own members for the benefit of the university.

The Association is represented on the board of trustees of the university by nine trustees, three of whom are elected each year for a term of three years.

The annual meeting of this Association is held on Tuesday of commencement week.

The Alumni Association of Alfred University

BOARD OF DIRECTORS

	Asa F. Randolph, A. B., '93, President	Plainfield, N. J.
Dean	Alpheus B. Kenyon, Sc. D., '74, Vice President	Alfred
Prof.	William C. Whitford, A. M., D. D., Secretary	Alfred
Prof.	J. Nelson Norwood, A. M., Ph. D., Treasurer	Alfred
	Orra S. Rogers, S. B., '94	Plainfield, N. J.
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred
Mrs.	F. P. Schoonmaker, '88	Bradford, Pa.
Hon.	Leonard W. H. Gibbs, Ph. B., '98	Buffalo
Rev.	William L. Burdick, Ph. B., D. D., '90	Alfred
Prof.	Fred C. White, A. M., '95	New York
	Marcus L. Clawson, M. D.,	Plainfield, N. J.
	John A. Lapp, LL. D., '06	Indianapolis, Ind.
	Harry W. Prentice, A. B., '98	New York

EXECUTIVE COMMITTEE

W. L. Burdick, Frank L. Greene, Ford S. Clarke, and the Officers *ex officio*.

ENDOWMENT FUND COMMITTEE

Orra S. Rogers, Charles P. Rogers, Marcus L. Clawson, and the Officers *ex officio*.

LECTURE COMMITTEE

Corliss F. Randolph, Boothe C. Davis, Daniel Lewis.

MEMBERSHIP COMMITTEE

L. W. H. Gibbs, Winfred Potter, Fred C. White

STATISTICAL SECRETARY

Ruth L. Phillips

LIBRARY DIRECTOR

Herbert G. Whipple

THE ALFRED ALUMNI ASSOCIATION OF NEW YORK CITY

Supervising Principal Holly W. Maxson, A. B. '97, 409 Thirteenth St.,
West New York, N. J., President.
Theodore G. Davis, Ph. M. '06, Plainfield, N. J., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF SYRACUSE

Winfred Potter, Ph. B., M. D., '00, 1603 S. Salina St., Syracuse, President.
S. B. Everts, A. B. '03, 2725 Midland Ave., Syracuse, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF BUFFALO

Mrs. Corabelle Crandall Taber, A. B., '83, 138 E. Utica St., President.
Mrs. Fanny Bonham Milward, Ph. B., '07, 118 Russell Ave., Buffalo, N.
Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF CHICAGO

Daniel C. Babcock, S. B. '03, 424 Seventh Ave., LaGrange, Ill., President.
Miss Helen A. Titsworth, Ph. B. '06, 6121 Greenwood Ave., Chicago, Ill.
Secretary.

THE TWENTIETH CENTURY CLUB OF ALFRED UNIVERSITY

Ralph A. Crumb, S. B. '11, Binghamton, N. Y., President.
Prof. Paul E. Titsworth, Ph. D., '04, Alfred, N. Y., Secretary-Treasurer.

UNIVERSITY TRUSTEES

	Representing Alumni	Term Expires
Hon.	Ira A. Place, A. B., LL. B.,	New York 1918
	John J. Merrill, Ph. M., '84	Alfred "
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred "
Prof.	Edwin H. Lewis, A. M., Ph. D., '87	Chicago, Ill. 1919
	Judson G. Rosebush, A. M., '00	Appleton, Wis. "
	Marcus L. Clawson, M. D. '90	Plainfield, N. J. "
	Orra S. Rogers, S. B., '94	Plainfield, N. J., 1920
	D. Sherman Burdick, Ph. B., '82	Alfred "
	John A. Lapp, Ph. B., LL. D. '06	Indianapolis, Ind. "

Prizes and Medals

The Dr. Thomas World's Peace Prize Contest

Mrs. Vandelia Varnum Thomas, an alumna of Alfred University, has established in memory of her late husband an annual prize speaking contest to be known as The Dr. Thomas World's Peace Prize Contest. The first prize is \$50, the second \$25.

Rules Governing The Dr. Thomas World's Peace Prize Contest:

1. Open to Sophomores and Juniors (both sexes).
2. Oration not over fifteen minutes, better twelve, upon some subject related to the promotion and furtherance of peace.
3. First Test—leaving only six contestants.
Judges—President and four teachers chosen by himself, two of whom shall be women. This test is to be a private contest.
4. Final test in a public meeting known as the "World's Peace Prize Contest."
5. Three judges, one from another town, one shall be a woman.
6. These six contestants are pledged to have their papers published in some paper or magazine. As many more from the primary contestants' orations as are deemed worthy by the primary judges may be published.

Parts to be marked:

- | | | |
|-----|--------------------------|---------------|
| (1) | Content..... | 50 per cent |
| (2) | Literary value..... | 25 per cent |
| (3) | Oratory—Enunciation..... | 10 |
| | Grace or Poise..... | 10 |
| | Effectiveness or | |
| | Power to Move an | |
| | Audience..... | 5—25 per cent |

The Tomlinson Medal

The Tomlinson medal for proficiency in Classical Philology was established in June, 1912, by Dr. Corliss Fitz Randolph of Newark, New Jersey, an alumnus and trustee of Alfred University, as a tribute to the memory of Edward Mulford Tomlinson, for many years William B. Maxson professor of the Greek Language and Literature at Alfred.

The general conditions for the award of this medal are as follows :

"All candidates for the medal shall have passed satisfactorily the usual entrance requirements in Latin and Greek (for the classical course), and, following that, shall have pursued the study of these subjects continuously throughout the entire four years of their college course."

The detailed requirements may be had by applying to the head of the department of classical languages.

Ceramic and Chemistry Medal

A medal will be awarded to that member of the Junior class who, during his Sophomore and Junior years, has made the highest average in all his subjects. Application for this medal must be made in writing to the Registrar before the end of the first term of his Junior year. The competition is open to those majoring in chemistry or ceramic engineering.

The Twentieth Century Club Cup

The Twentieth Century Club Cup is given by the Twentieth Century Club to the one of the two lower classes, Freshman or Sophomore, having the highest scholastic average.

University Loan Fund

The UNIVERSITY LOAN FUND was established in 1915 for the purpose of helping students who do not need gifts, but do need credit. This fund was founded with the idea that it should be a self-supporting benevolence. About half of the contributors so far have given their money outright and the other half have simply advanced certain sums with the understanding that they are to receive a moderate rate of interest and that the principal shall be returned if they should ever require it.

The managing committee in making a loan considers not only the needs of the student but his scholarship, and requires appropriate security for repayment.

Loans have been made in sums varying from ten dollars to one hundred dollars and for terms ranging from a few days to two years. The rate of interest upon the loans is six percent.

So far the Fund has paid an income at the rate of four percent per annum to the contributors accepting an income and probably will continue to pay at this rate. Here is an opportunity to invest money at a rate equal to that of a savings bank, and at the same time have it helping a worthy student. This is a self-supporting benevolence.

For further information in regard to this Fund and its administration see Library Bulletin No. 8 "Borrowing Money," which may be had upon application.

Summer School

The fifth session of the summer school at Alfred University will be held July 2 to August 14, 1918. Courses are to be given in methods of teaching in high school, in grammar grades, in rural schools, problems of the secondary school for principals and others interested, and subject matter courses in the following: biology, domestic science, drawing and design (public school), English (literature and composition), Greek literature in English translations, history, Latin, mathematics, modern languages (French, German, and Spanish) physical training, physics and pottery.

The summer session offers opportunity for those not quite prepared for college to make up their conditions before entering the Freshman class next September.

Special courses for rural and graded school teachers and teachers of physical training.

For catalogue and further information, address,

PAUL E. TITSWORTH, Ph. D.,

Director Summer School at Alfred University.

SUMMER SCHOOL STUDENTS, 1917

Name	Residence
Albertine F. Almy	Buffalo
Lettie B. Austin	Friendship
Esther L. Averill	Angelica
Pauline M. Babcock	Alfred
Florence Baker	Hornell
Eli R. Bartoo	Harrison Valley, Pa.
Ethel D. Bennett	Belfast
E. Frances Braddock	Philadelphia, Pa.
Dora M. Brown	Alfred Station
Edith M. Burdick	Alfred
Claude W. Cartwright	Hornell
Mrs. Laura B. Charman	Magnolia, N. J.
Anna L. Crandall	Little Genesee
Florence Culver	Dansville
A. Ethelyn Davison	Brooklyn
Jerome F. Davis	Alfred
Jessica B. Davis	Alfred
Stella T. Elmendorf	San Antonio, Texas
Ellen R. Farrington	Milton, Mass.
Anna M. Fisher	Frankfort
Ruth H. Franc	Washington, D. C.
Florence W. Fulton	Bryn Mawr, Pa.
Virginia W. Garber	Bryn Mawr, Pa.
Jessie F. Gordon	Chestnut Hill, Pa.
Walter L. Greene	Andover
Hazel G. Hagan	Frankfort
Mary L. Hall	Hornell
Carrie R. Harmon	Geneva

Jane Hart
Mrs. Herbert E. Havens
Mary I. Hunt
K. Christine Hurd
Hazel M. Jackson
Mrs. Mary G. Kingston
Marie Antoinette LaLone
Myrtle E. Meritt
Elizabeth C. Miller
Lina A. Perkins
Florence L. Pierce
Clesson O. Poole
Edith Clare Putnam
Gisela M. A. Richter
Maude Robinson
Valentine Sadowski
Ethelwyn Saunders
Elsa B. Schoening
Agnes F. Sheon
Lu'Anna Sheon
Arthur Sichel
Florence M. Stacey
Anna K. Stimson
Elisabeth M. Sullivan
Willard J. Sutton
Marian Tew
Flora Thomas
Otho L. Vars
Lloyd R. Watson
Mary L. West
Sara J. Windus

Hornell
New Hope, Pa.
Great Bend, Pa.
Genesee, Pa.
Castile
Canaseraga
Ilion
Alfred
Halethorpe, Md.
Wellsville
Woodhull
Alfred
Brooklyn
New York City
New York City
Dunkirk
Rochester
Trenton, N. J.
Belmont
Belmont
Nanuet
Springfield, Mass.
Philadelphia, Pa.
Alfred
Hornell
Woodhull
Brooklyn
Alfred
Alfred
Chicago, Ill.
Belmont

New York State School of Clay-Working and Ceramics

This school was established at Alfred University, by chapter 383, laws of the state of New York, 1900. The buildings are adjacent to the university campus. While a state institution, it is administered by the trustees of Alfred University. Its students profit by courses of study in the college classes and laboratories and by the university library.

The school is fully equipped with machinery and kilns for carrying out all descriptions of clay work. The art studio is provided with every facility for the study of free-hand and mechanical drawing, composition, and applied design. Tuition is free to residents of New York State.

Two courses are offered, each of four years' duration. The requirements for entrance are the same as to the college courses. The work in **Ceramic Engineering** comprises in addition to the usual subjects in science, the technology of clay working industries. The degree of Bachelor of Science in Ceramic Engineering is granted.

The course in **Applied Art** includes, besides certain college subjects, design, drawing, modeling and pottery production. The degree of Bachelor of Applied Art is granted.

A catalogue will be mailed upon application.

CHARLES F. BINNS, Director,

Alfred, N. Y.

New York State School of Agriculture

On May 6, 1908, Governor Hughes signed the bill that provided for the establishment of a State School of Agriculture at Alfred University.

The School is governed by a board of managers appointed by the Alfred University Trustees. The Commissioner of Agriculture, the Director of the State College of Agriculture, and a representative of the State Grange are ex-officio members of the board of managers.

The grounds upon which the administration buildings of the school are built join the university campus. Students, who are properly qualified, may take part work in the agricultural school and in the high school or in the college under university regulations. The association of school students with the other Alfred students will promote breadth of view and wholesome school life.

The regular course of study consists of carefully outlined courses in the main branches of agriculture, namely: animal husbandry, dairy industry, farm crops, farm management, wood and forge work, domestic science, and home economics. Well equipped laboratories, a specially selected faculty, and a 230-acre modernly managed farm are guarantees of the work offered.

Any student who is of good character, sixteen years old or more and has completed the work of the common school or its equivalent, is eligible for admission. To all students of the state of New York tuition is free.

Persons wishing further information may receive upon request a catalogue and circular describing the work of the school in detail. Apply to

W. J. WRIGHT, M. S., Director,

Alfred, N. Y.

THE EIGHTY-SECOND COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, nineteen hundred and eighteen. The exercises begin Saturday morning, June 1, and close Wednesday evening, June 5.

All former students of the university, whether graduates or not, and all other friends of the institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who does not receive a copy of this CATALOGUE, or who changes his residence, will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased alumni, or any information that may help to make or keep the directory of the alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the university library.

On application to the Registrar the catalogue will be sent to young men and young women preparing for college or contemplating higher education.

Letters of inquiry may be addressed to The President of Alfred University, Alfred, N. Y.

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-1866
JONATHAN ALLEN, PH. D., D. D., LL. D.	1866-1892
ALPHEUS BURDICK KENYON, SC. D. (Acting)	1892-1893
ARTHUR ELWIN MAIN, A. M., D. D., L. H. D.	1893-1895
BOOTHE COLWELL DAVIS, PH. D., D. D., LL. D.	1895-

Index

Absences	21	Industrial Mechanics...15, 49	
Admission	12, 25	Interscholastic Meet.....	20
On Certificate.....	26		
On Examination.....	27	Kanakadea Hall.....	17
Advanced Standing.....	27	Kenyon Memorial Hall..	13
Agriculture	33, 91		
Allen Steinheim Museum	14	Ladies Hall.....16, 19	
Alumni Association.....	81	Latin	52
Alumni Hall.....	17	Library	13
Art	34	Library Economy.....	52
Astronomy	34	Library Directors.....	8
Athletic Association.....	19	Location	12
Athletic Field.....	17		
Athletics	17	Machine Shop.....	16
		Manual Training.....	51
Babcock Hall.....	14	Master's Degree.....	30
Bachelors Degree.....	30	Material Equipment.....	13
Bequests	80	Mathematics	53
Biblical Languages.....	35	Medals	85
Biological Laboratory... 14		Museum	14
Biology	36	Music Department.....	64
Buildings	13		
Burdick Hall	16, 19	Officers of Instruction..	10
		Officers of Administration	9
Calendar	3		
Canpus	13	Physical Laboratories....	15
Carpenter Shop.....	16	Philosophy	54
Chemical Laboratories....	15	Physical Training.....19, 59	
Chemistry	40	Physics	59
Christian Associations... 20		Political Science.....	48
Class Exercises.....	20	Pre-Medical Course.....	24
College Calendar.....	4	Prizes	84
Conditioned Students....	27	Psychology	57
Courses of Study.....	28	Public Speaking.....	60
Degrees	30	Reading Room.....	14
Degrees Conferred.....	72	Register of Students....	74
Departments of Instruction	33	Registration	22
Domestic Science.....	33	Religious Education....	61
Drafting	51	Religious Life.....	18
		Required Studies.....	28
Economics	48	Residence Halls.....	10
Education	54	Rogers Observatory....	10
Elective Studies.....	28	Romance Languages.....	62
English	42	Rooms and Board.....	23
Entrance Requirements..	25		
Examinations	22	Social Life.....	18
Ethics	44	Self-Support	23
Excuses	21	Spanish	63
Expenses	23	Special Students.....	24
		State School of Agriculture	91
Faculty	10	State School of Ceramics.	96
Fees	22	Sociology	58
Forms for Bequests.....	80	Student Assistants.....	11
French	62	Student Organizations... 19	
		Student Senate.....	20
General Information....	12	Summer School	87
Geology	39	Summer School Students	88
German	44		
Gifts	72	Thesis	30
Glee Club.....	69	Terms	39
Greek	45	Trustees	6
Groups	29	Trustees' Committees... 7	
Gymnasium	17	Tuition	21, 71
Heating Plant.....	17	Unit of Credit.....	21
History	12, 46	University Loan Fund ..	86
Honors	31, 73		
		Vacations	20
		Wood-Working	50

UNIVERSITY OF ALFRED'S LIBRARY

MAR 1 1919

UNIVERSITY PUBLICATIONS

EIGHTY-THIRD YEAR, No. 2

Alfred College Catalogue 1918 - - 1919

EIGHTY-THIRD YEAR



ANNOUNCEMENTS 1919 - - 1920

Published Monthly by Alfred University. Entered as second class matter at Alfred, New York, under act of Congress, July 16, 1894. Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized on July 3, 1918.

JANUARY, 1919

Alfred College
Catalogue
1918 - 1919

and

Announcements
1919-1920

College Calendar

First Term 1918--1919

Entrance Examinations	Tuesday	1918 Sept. 24
Registration	Wednesday	Sept. 25
Instruction begins	Thursday	Sept. 26
Thanksgiving Recess begins	Wednesday noon	Nov. 27
THANKSGIVING RECESS		
Instruction resumed	Monday noon	Dec. 2
Founders' Day	Thursday	Dec. 5
Term Examinations begin	Monday	Dec. 16
Term ends	Wednesday evening	Dec. 18
HOLIDAY RECESS		

Second Term

Instruction begins	Thursday	1919 Jan. 2
Term Examinations begin	Monday	Mar. 17
Term ends	Wednesday evening	Mar. 19
SPRING RECESS		

Third Term

Instruction begins	Wednesday	Mar. 26
Memorial Day	Friday	May 30
Final Examinations begin	Monday	June 9
Final Examinations end	Friday	June 13
EIGHTY-THIRD ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 14
Concert	Saturday evening	June 14
Baccalaureate Sermon	Sunday evening	June 15
Alumni Association, Directors' meeting	Monday afternoon	June 16
Commencement Play	Monday evening	June 16
Class breakfasts and reunions	Tuesday morning	June 17
Annual meeting of Trustees	Tuesday morning	June 17
Annual meeting of Corporation	Tuesday afternoon	June 17
Class-day Exercises	Tuesday afternoon	June 17
Alumni Banquet	Tuesday evening	June 17
Commencement Exercises	Wednesday morning	June 18
Alumni Association, Public Session	Wednesday afternoon	June 18
President's Reception	Wednesday evening	June 18
SUMMER VACATION		

Fourth (Summer) Term 1919

Summer Term begins	Tuesday	July 1
Summer Term ends	Wednesday	Aug. 13

First Term 1919--1920

		1919
Entrance Examination	Tuesday	Sept. 23
Registration	Wednesday	Sept. 24
Instruction begins	Thursday	Sept. 25
Thanksgiving Recess begins	Wednesday noon	Nov. 26
THANKSGIVING RECESS		
Instruction resumed	Monday noon	Dec. 1
Founders' Day	Friday	Dec. 5
Term Examinations begin	Monday	Dec. 15
Term ends	Wednesday evening	Dec. 17
HOLIDAY RECESS		

Second Term

Instruction resumed	Wednesday morning	Dec. 31
		1920
Term Examinations begin	Monday	Mar. 15
Term ends	Wednesday evening	Mar. 17
SPRING RECESS		

Third Term

Instruction begins	Wednesday	Mar. 24
Memorial Day	Sunday	May 30
Final Examinations begin	Monday	June 7
Final Examinations end	Friday	June 11
EIGHTY-FOURTH ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 12
Commencement Play	Saturday evening	June 12
Baccalaureate Sermon	Sunday evening	June 13
Alumni Association, Directors' meeting	Monday afternoon	June 14
Annual Concert	Monday evening	June 14
Class breakfasts and reunions	Tuesday morning	June 15
Annual meeting of Trustees	Tuesday morning	June 15
Annual meeting of Corporation	Tuesday afternoon	June 15
Class-day Exercises	Tuesday afternoon	June 15
Alumni Banquet	Tuesday evening	June 15
Commencement Exercises	Wednesday morning	June 16
Alumni Association, Public Session	Wednesday afternoon	June 16
President's Reception	Wednesday evening	June 16
SUMMER VACATION		

Fifth (Summer) Term 1920

Summer Term begins	Tuesday	July 6
Summer Term ends	Wednesday	Aug. 18

Board of Trustees

Officers

VERNON A. BAGGS, President	Alfred
FRANK L. GREENE, Vice President	Alfred
CURTIS F. RANDOLPH, Treasurer	Alfred
D. SHERMAN BURDICK, Secretary	Alfred

Term expires in June 1919

Prof.	EDWIN H. LEWIS, Ph. D., LL. D., '87,	Chicago, Ill.
	JUDSON G. ROSEBUSH, A. M., '00,	Appleton, Wis.
	MARCUS L. CLAWSON, M. D., Ph. B., '90,	Plainfield, N. J.
Supt.	HENRY M. MAXSON, A. M., Ped. D.,	Plainfield, N. J.
Hon.	GEORGE L. BABCOCK,	Plainfield, N. J.
	CLARENCE W. SPICER,	Plainfield, N. J.
Pres.	BOOTHE COLWELL DAVIS, Ph. D., LL. D., '90,	Alfred
Hon.	WILLIAM J. TULLY, LL. D.,	New York
	CURTIS F. RANDOLPH	Alfred
	WILLIAM R. CLARKE,	New York
	CORLISS F. RANDOLPH, A. M., L. H. D., '88,	Newark, N. J.

Term expires in June 1920

Hon.	WILLIAM WALLACE BROWN, A. M., LL. D., '61,	Bradford, Pa.
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
Mrs.	WILLIAM C. BURDICK,	Alfred
Hon.	EDWARD W. HATCH, LL. D.,	New York
Rev.	WILLIAM L. BURDICK, D. D., '90,	Alfred
	B. SHEFFIELD BASSETT	Alfred
	JOHN A. LAPP, Ph. B., LL. D., '06,	Columbus, O.
	EDGAR H. COTTRELL,	New York
Hon.	FRANK SULLIVAN SMITH, LL. D.,	Angelica
	WILLIAM C. HUBBARD, M. S.,	Plainfield, N. J.

Term expires in June 1921

Hon.	DANIEL LEWIS, M. D., LL. D., '69,	Alfred
	IRA A. PLACE, A. B., LL. B.,	New York
	JOHN J. MERRILL, Ph. M., '84,	Alfred
Hon.	LEONARD W. H. GIBBS, Ph. B., '98,	Buffalo
	NATHAN E. LEWIS, M. E.,	Plainfield, N. J.
	VERNON A. BAGGS,	Alfred
	HOBART B. AYERS, M. E.	Pittsburgh, Pa.
	HERBERT G. WHIPPLE, A. B., '87,	New York
	ELIE E. FENNER	Alfred
	FRANK L. GREENE, A. M., Ped. D.,	Alfred
	C. LOOMIS ALLEN, Sc. D.,	Syracuse

Standing Committees of the Board

Executive

VERNON A. BAGGS, Chairman

D. SHERMAN BURDICK, Secretary

B. SHEFFIELD BASSETT	JOHN J. MERRILL
WILLIAM WALLACE BROWN	ELIE E. FENNER
BOOTHE COLWELL DAVIS	ORRA S. ROGERS
CURTIS F. RANDOLPH	HERBERT G. WHIPPLE
WILLIAM L. BURDICK	FRANK L. GREENE
DANIEL LEWIS	

Teaching Force

BOOTHE COLWELL DAVIS	DANIEL LEWIS	HENRY M. MAXSON
----------------------	--------------	-----------------

Buildings and Grounds

BOOTHE COLWELL DAVIS	VERNON A. BAGGS
JUDSON G. ROSEBUSH	CLARENCE W. SPICER
JOHN J. MERRILL	

Supplies and Janitors

VERNON A. BAGGS	B. SHEFFIELD BASSETT	WILLIAM L. BURDICK
-----------------	----------------------	--------------------

Printing and Advertising

BOOTHE COLWELL DAVIS	FRANK L. GREENE	JOHN J. MERRILL
----------------------	-----------------	-----------------

Auditor and Attorney

HERBERT G. WHIPPLE

Investment

ORRA S. ROGERS, Chairman

NATHAN E. LEWIS	WILLIAM J. TULLY	D. SHERMAN BURDICK
ELIE E. FENNER	WILLIAM R. CLARKE	WILLIAM C. HUBBARD

Finance

ORRA S. ROGERS, Chairman

BOOTHE C. DAVIS	DANIEL LEWIS	IRA A. PLACE
CURTIS F. RANDOLPH	CLARENCE W. SPICER	C. LOOMIS ALLEN
WILLIAM J. TULLY	EDGAR H. COTTRELL	WILLIAM R. CLARKE
EDWARD W. HATCH	WILLIAM WALLACE BROWN	JUDSON G. ROSEBUSH
LEONARD W. H. GIBBS	GEORGE L. BABCOCK	EDWIN H. LEWIS
JOHN A. LAPP	WILLIAM C. HUBBARD	D. SHERMAN BURDICK

Charles Potter Professorship of History and Political Science, Library Fund

BOOTHE C. DAVIS	CORTEZ R. CLAWSON	J. NELSON NORWOOD
-----------------	-------------------	-------------------

George B. Rogers Professorship of Industrial Mechanics, Mechanical Library and Apparatus Fund

FRANK L. GREENE	LINTON B. CRANDALL	WILLIAM L. BURDICK
-----------------	--------------------	--------------------

Library Director Representing the Board of Trustees

CORLISS F. RANDOLPH

Ladies' Auxiliary Committee

Mrs. FRANK L. GREENE, Chairman

Mrs. JOHN J. MERRILL

Mrs. BOOTHE C. DAVIS

Mrs. WILLIAM C. BURDICK

Miss SELINDA I. GREENE

Mrs. D. SHERMAN BURDICK

Mrs. CHARLES STILLMAN

Mrs. VERNON A. BAGGS

Library Directors

BOOTHE COLWELL DAVIS, President (*ex-officio*)

CORTEZ R. CLAWSON, Librarian (*ex-officio*)

J. NELSON NORWOOD, Chas. Potter Professor (*ex-officio*)

CORLISS F. RANDOLPH, representing Trustees

ALPHEUS B. KENYON " Faculty

HERBERT G. WHIPPLE " Alumni

Officers of the University Corporation

For year ending June, 1919

ALPHEUS B. KENYON,

ARTHUR E. MAIN,

WILLIAM C. WHITFORD,

President

Vice President

Secretary

Officers of Instruction

BOOTHE COLWELL DAVIS, Ph. D., D. D., LL. D., President
Professor of Ethics

ALPHEUS B. KENYON, Sc. D., Dean
Rhode Island Professor of Mathematics

WILLIAM CALVIN WHITFORD, A. M., D. D.
Professor of Biblical Languages and Literature

PAUL E. TITSWORTH, Ph. D.
Professor of Modern Languages

CORTEZ R. CLAWSON, Litt. B., A. M., Librarian
Professor of Library Economy

JAMES D. BENNEHOFF, S. M.
Professor of Biology and Geology

† LINTON B. CRANDALL, S. B.
George B. Rogers Professor of Industrial Mechanics

J. NELSON NORWOOD, A. M., Ph. D.
Charles Potter Professor of History and Political Science

MABEL I. HART, A. M., Dean of Women
Wm. C. and Ida F. Kenyon Professor of Latin and
Wm. B. Maxson Professor of Greek

WALDO ALBERTI TITSWORTH, S. M., Registrar
Babcock Professor of Physics and Professor of Chemistry

RAY WINTHROP WINGATE
Professor of Music

FORD STILLMAN CLARKE, Ph. B.
Professor of Philosophy and Education

KATHERINE H. PORTER, A. M.
Professor of English

† MORTON E. MIX, Ph. B.
Instructor in Modern Languages

† Absent on leave.

*LUCIA WEED CLAWSON

Instructor in Public Speaking

MINNA CHEVES WILKINS, A. M.

Instructor in Philosophy and Education

LAURA MARGUERITE KEEGAN, A. B.

Instructor in Modern Languages

RUTH LORANA PHILLIPS, Ph. B.

Instructor in Stenography and Typewriting

ETHEL VIOLA DANIELSON

Instructor in Physical Training

GERTRUDE FORD BENNEHOFF, Ph. B.

Assistant in Biology

ROSEMARY OWENS BOLE, A. M.

Assistant in Chemistry

U. S. Army Officers On Duty, S. A. T. C.

JOHN W. MOTT, Captain, Infantry, U. S. A.

Commanding Officer from October 1 to November 17, 1918

RUSSELL BONYNGE, Captain, Infantry, U. S. A.

Commanding Officer from November 18, 1918

FRANCIS B. BAUMLER, 2nd. Lieutenant, Infantry, U. S. A.

RICHARD B. THOMAS, 2nd. Lieutenant, Infantry, U. S. A.

JOSEPH A. SCOTT, 2nd. Lieutenant, Infantry, U. S. A.

ALLAN P. WALCOTT, 2nd. Lieutenant, Infantry, U. S. A.

CLARENCE E. HASKELL, M. B.

Contract Surgeon, U. S. A.

Student Assistants

History
Wayland H. Burdick

English
Gertrude Wells

Chemistry
Vincent Axford

Leon E. Haynes

* Died October 12, 1918

Officers of Administration

BOOTHE COLWELL DAVIS, President and University Chaplain
 ALPHEUS B. KENYON, Dean
 MABEL I. HART, Dean of Women
 WALDO A. TITSWORTH, Registrar
 WILLIAM C. WHITFORD, Secretary of Faculty
 CURTIS F. RANDOLPH, Treasurer
 CORTEZ R. CLAWSON, Librarian
 JAMES D. BENNEHOFF, Curator of Allen Museum
 DANIEL LEWIS, M. D., Medical Adviser
 EVA B. MIDDLEAUGH, Matron, Dormitory for Women
 HARRY C. GREENE, Chief Janitor and Superintendent of Grounds
 RUTH L. PHILLIPS, Secretary to the President

Committees of the University Faculty

Athletics

W. A. Titsworth	J. D. Bennehoff	W. R. Cone	J. N. Norwood
	G. A. Bole		

University Extension

P. E. Titsworth	W. R. Cone	J. B. Shaw
-----------------	------------	------------

Program

Minna C. Wilkins	Angeline Wood, P. E. Titsworth	M. Elsie Binns
------------------	-----------------------------------	----------------

Committees of the College Faculty

Degrees

Dean A. B. Kenyon	C. F. Binns	W. A. Titsworth
-------------------	-------------	-----------------

Student Life

J. N. Norwood,	Mabel I. Hart Marion L. Fosdick	P. E. Titsworth
----------------	------------------------------------	-----------------

Catalogue

W. C. Whitford	C. R. Clawson	W. A. Titsworth
----------------	---------------	-----------------

Absences

A. B. Kenyon	Katherine H. Porter	W. A. Titsworth
--------------	---------------------	-----------------

Assembly Addresses

P. E. Titsworth	J. N. Norwood
-----------------	---------------

Student Loans

W. C. Whitford	P. E. Titsworth	F. S. Clarke
----------------	-----------------	--------------

Schedule

W. A. Titsworth	F. S. Clarke	J. N. Norwood
-----------------	--------------	---------------

Glee Club

P. E. Titsworth	R. W. Wingate	C. R. Clawson
-----------------	---------------	---------------

Counselors—Class of 1921

F. S. Clarke	Katherine H. Porter Mabel I. Hart	C. F. Binns
--------------	--------------------------------------	-------------

Counselors—Class of 1922

J. N. Norwood	M. Elsie Binns P. E. Titsworth	Minna C. Wilkins
---------------	-----------------------------------	------------------

Auditor For Student Organizations

W. C. Whitford

General Information

History

On December 5, 1836, a select school was organized in the village of Alfred. The educational interests manifested in this humble beginning grew and resulted in the organization of an academy with a suitable building and small equipment. To meet the needs of an increasing attendance additional teachers were secured and in 1843 a charter was granted to "Alfred Academy." In 1846 three school buildings were erected on the present campus. In 1857 a university charter was granted.

The college was founded and is maintained in the interests of Christian education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration.

Location

ALFRED COLLEGE is located at Alfred, Allegany county, New York, on the Allegheny division of the Erie railroad. Alfred is pleasantly situated among rugged hills at an altitude of eighteen hundred feet above sea level, and affords many conditions conducive to health.

Admission

Alfred College opens its doors to all worthy persons of either sex who possess the requisite literary qualifications and who present themselves for the purpose of doing earnest, faithful work. Persons who are addicted to the use of intoxicants or who have other habits detrimental to successful intellectual, moral or physical development will not knowingly be admitted or retained.

Material Equipment

THE COLLEGE CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, orna-

mented with a variety of trees and shrubs, forming an arboretum of beauty and value. Its lawns, walks, and drives are kept up by the income from a special endowment for that purpose.

There are eleven buildings on the campus: Alumni Hall, Kenyon Memorial Hall, Carnegie Library, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Ladies Hall, Burdick Hall, Kanakadea Hall, Gothic, and Central Heating Station. Adjacent to the campus are the buildings of the New York State School of Clay Working and Ceramics, and of the New York State School of Agriculture.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a brick building completed in 1882. It contains the college assembly room, drafting room, and the recitation rooms and offices of the departments of Ancient and Modern Languages.

THE LIBRARY. The Carnegie library erected in 1912 is a beautiful building of brick and stone which contains in addition to the library, reading room, and seminar rooms, the offices of the President and the Treasurer.

The library contains over 30,000 volumes fully classified. It is open every college week day from 8:00 A. M. to 12 M. and from 1:30 to 5:30 P. M., also evenings from 7:30 to 9:30, and Saturday and Sunday afternoons from 3:00 to 5:00. Students are allowed free access to the shelves and are encouraged to diligent use of the books. The librarian is in constant attendance as reference librarian to give counsel and aid in any line of reading and research. All books, except works of reference, may be drawn for home use under prescribed regulations. The library is under the supervision of a board of directors consisting of the president, the librarian, the professor of History ex-officio and one representative each from the board of trustees, the faculty and the alumni association.

A READING ROOM well equipped with newspapers and periodicals, is maintained in connection with the library.

THE ALLEN STEINHEIM MUSEUM stands upon the lower slope of Pine Hill, overlooking the campus. This structure, a memorial of President Allen and Mrs. Allen, built in the style of an old castle, is unique among the college buildings. In its construction many varieties of rock found in the vicinity of Alfred were used. This building is the repository for the college collections of minerals, stone implements, pottery, coins, shells, corals, birds, animals, entomological and botanical specimens, and general curios.

THE BIOLOGICAL LABORATORY. The lecture room and laboratory of biology are in the Allen Steinheim Museum. The museum collections are intended especially as illustrative material to be used in this department. The biological laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments and other facilities. A greenhouse is a part of the equipment of the department for the propagation of animal and vegetable life, thus providing specimens for laboratory use. There is a department library containing many of the reference and text books on the subjects of biology and geology.

THE BABCOCK HALL OF PHYSICS, named in memory of George H. Babcock, founder of the professorship of physics, is a brick building, constructed especially for the study of the physical sciences. The laboratories are supplemented by a lecture room and department offices. The departments of Chemistry and Industrial Mechanics also have rooms in the building, including laboratories, a lecture room, department libraries, a machine shop, and a wood shop.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. The laboratories are well equipped to carry out the work of the department. The analytical

laboratory is equipped with the apparatus necessary for blowpipe analysis, qualitative analysis, quantitative analysis, and organic chemistry. The department is provided with a special library for reference, containing the best authorities on the science of chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a variety of apparatus for demonstrating physical laws. Adjoining the lecture room in the south wing is the laboratory fitted up for experiments in optics.

In addition to the lecture and apparatus rooms, there is a laboratory well-equipped for performing experiments in general physics. Besides such usual equipment, the department has a number of special pieces of apparatus for illustrating physical laws.

Valuable pieces of apparatus are designed and made in the shops of the college. Additions to the apparatus and the department library are made annually as the income accrues from the endowment fund of the Babcock professorship of physics.

INDUSTRIAL MECHANICS. The George B. Rogers department of industrial mechanics was founded in 1867 by Mrs. Ann M. R. Lyon and named in memory of her deceased son. The department has a library containing books upon the various branches of mechanics including practical and theoretical works upon architecture, machine construction, and engineering. There is also apparatus for illustrating mechanical movements, intersections of surfaces and solids, warped surfaces, etc. Yearly additions are made to the library and apparatus of the department. The department is located in rooms in the Babcock Hall of Physics, and is equipped for actual practical work in the drafting room, car-shop. Through the kindness of the Domestic Engineering Company of Dayton, Ohio, a demonstration Delco lighting plant has been installed in the basement of Babcock Hall. This outfit furnishes electric lights for the building.

THE CARPENTER SHOP, a commodious and well lighted

room on the basement floor of the north wing of Babcock Hall, is equipped with wood lathes, circular saws, jig saws, shaping machines, and work benches, with sets of hand tools for the various branches of wood working. Power is furnished by an electric motor. Carpentry, wood turning, and pattern making are taught.

THE MACHINE SHOP, occupying the ground floor of the west wing of the Hall of Physics, is provided with lathes, planers, drills, shaping and other power machines, also hand tools for metal working. The machinery is driven by electric power. Many pieces of mechanical and scientific apparatus have been designed and constructed in the department. By the construction in the shops of some of the apparatus used in the department, the students gain practical as well as theoretical knowledge.

THE ROGERS OBSERVATORY, named in memory of Professor William A. Rogers, contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus.

LADIES HALL is a large brick dormitory which contains rooms for about sixty women students, the assembly rooms for about sixty women students, the rooms of Young Women's Christian Association, and a dining hall.

BURDICK HALL, the dormitory for men, named after Mr. William C. Burdick, was given to the university by his widow, Mrs. Amanda M. Burdick, and his daughter, Miss Susan M. Burdick. This dormitory is a frame building, containing furnished rooms for about thirty students. In it are the headquarters of the Young Men's Christian Association, and a boarding club for men.

KANAKADEA HALL is a two story brick and wood building with terra cotta roof. It contains the lecture rooms and offices of the departments of English, History and Political Science, Mathematics, and Philosophy and Education, and the office of the Dean and the Registrar.

ALUMNI HALL. The old Chapel which has for several years past been used for the Academy was made available for an alumni hall when, in 1915, all of the college preparatory and high school work was taken over by the public school. This is a substantial frame building, fifty by one hundred feet, and contains a large assembly hall and the rooms of the Alleghanian and the Orophilian Lyceums. At present the assembly hall affords an excellent place for basketball practice.

GYMNASIUM. The gymnasium floor is in Alumni Hall. It is equipped with chest weights, dumb-bells, wands, Indian clubs, horizontal and parallel bars and mats. Dressing rooms with individual lockers are provided. The gymnasium is in charge of the physical director. The alumni and other friends of the university have started a fund known as the "Davis Gymnasium Fund" to provide a more commodious gymnasium.

HEATING PLANT. A central heating station equipped with 250 horse-power boilers and connected with the several buildings on the campus furnishes a modern and improved heating system.

ATHLETIC FIELD. The university athletic field embraces over three acres of level land. All local intercollegiate contests in football, baseball, and track athletics are held on this field. The field affords a running track (one-sixth of a mile). Appropriate apparatus for field sports is provided.

Religious Life

While the college is non-sectarian it is distinctly a Christian institution. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. Brief chapel exercises are held in connection with the general college assembly on Wednesday morning at which time either a member of the faculty or a speaker from outside addresses

the student body. Religious services are held every Sunday during term time and all students are urged to attend these or the services of the village church.

There is a Young Men's and also a Young Women's Christian Association, each under the management of the students themselves. The religious activities of the students are under the direction of these organizations.

Social Life

The supervision of the social life of the college is entrusted to a committee of the faculty. This committee has general oversight of the social relations of the students, of social gatherings, of the dormitories, and of the rooming of students outside of the university buildings.

Few formal regulations are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The faculty will take cognizance of unbecoming conduct, and will impose appropriate penalties therefor.

Two receptions to students and faculty are held during the year, one by the Christian Associations immediately after the opening of College, the other by the president during Commencement Week. These, together with class, lyceum and Christian Association parties provide opportunity for relaxation and habituation to social usages.

Residence Halls

THE LADIES HALL. All women students are required to reside in this hall, unless permitted, for reasons of weight, to room in approved homes in the village. Applications for such permission must be made to the chairman of the Student Life Committee.

Large, furnished rooms suitable for one or two students offer accommodations for about sixty women. The university dining hall, reception rooms and the matron's rooms occupy the lower floors. On the third floor a kitchenette is provided for residents who, for financial reasons, desire to

board themselves. Such students, however, are required to take dinners in the University dining hall.

“House Government” is administered by the students subject to the general regulations of the College Women’s Organization and to the supervision of the Student Life Committee. The matron is official chaperon of the house, provides for the comfort and welfare of the residents, and performs in general the duties of a house mother.

BURDICK HALL, the men’s dormitory, is in charge of an official head appointed by the president, who has the custody of the university property there and supervision over the conduct of those in the building.

Student Organizations

ATHLETIC ASSOCIATION. All inter-collegiate sports are in immediate charge of the athletic association, which has foot-ball, base-ball and basket-ball teams. Tennis courts are available for the use of students and an annual tournament is maintained. Athletics, however, are not carried to extremes. The committee on athletics from the faculty, and the graduate manager exercise general supervision, for it is the purpose of the university to give due attention to the physical welfare of its students, and at the same time keep the physical in proper relation to the intellectual and moral development.

An interscholastic meet under the general supervision of the Athletic Association is held on the university athletic field each spring, in which the high schools and academies of the surrounding country are invited to compete for a trophy offered by the university.

THE STUDENT SENATE is the executive body of student self government. It consists of seven members elected by the students. The Senate enforces Campus Rules and other student regulations, supervises class contests and decides all

questions arising therefrom. It is the aim of the Senate to be representative of student sentiment and to co-operate with the faculty in matters of student welfare.

There are various other student organizations the most prominent of which are the Young Men's and the Young Women's Christian Associations to which allusion has been made under "Religious Life" p. 16. The activity of the four lyceums has been in part superseded by other work and these organizations while still remaining do not hold weekly meetings as formerly.

College Year

The college year consists of three terms of about twelve weeks each. There is a vacation at the holidays of about two weeks; a week's recess near Easter and a summer vacation of about fourteen weeks.

Class Exercises

The class period is one hour in length; in laboratory work, however, the class period is two hours. There are no classes on Saturday or Sunday. Each student is expected to have at least sixteen hours per week, and may not register for more than seventeen with the following exceptions: (1) If a student has no standing less than B in the preceding term he may register for eighteen hours. (2) Students who have a grade of A in more than half their work may register for more than eighteen hours upon the approval of the Faculty.

Freshmen who fail to pass in at least half of their work in a term are not eligible for registration the next term. Sophomores must pass at least two-thirds of their work, and Juniors, Seniors and Specials at least three-quarters to make them eligible for registration the next term.

Unit of Measure or Credit

One class period per week for one term, is taken as the unit of credit, and is called a term hour. In each college course one hundred and ninety-two term hours are required.

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F, failure.

Absences and Excuses

It is expected that no student will be absent from any class period except in case of necessity. Reasons for absence from classes are submitted to the Committee on Absences. All excuses are granted with the understanding that the work missed will be made up to the satisfaction of the instructor. Unexcused absences equal to the number of recitation periods per week will lower the grade one letter, and in excess of twice that number will lower the grade to F (failure). Two tardinesses count as one absence.

Examinations

Final examinations are held at the close of each term in addition to occasional written tests during the term. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Registration

All students will register at the Dean's office on the first day of the college year; and students entering at the beginning of the second or third terms will register on the first day thereof. Any student not registering on the day set therefor will be charged a fee of two dollars for late registration.

College Fees per Year

Tuition	\$40 00
Incidentals	30 00—\$70 00
Athletics	4 00
Reading Room	2 00
College Paper (Fiat Lux)	1 50
Extras, for use of instruments, laboratory materials, etc:	
Gymnasium (Freshmen, Sophomores)	\$2 00
Surveying	8 00
Chemistry Breakage Deposit, Chem. 1, 8.....	2 00
Chemistry Breakage Deposit, Chem. 2, 3, 4, 5, 7....	5 00
Elementary Chemistry	10 00
Advanced Chemistry, each course	10 00
Physics 1, Laboratory	3 00
Advanced Physics, Laboratory	5 00
Botany or Zoology	10 00
Entomology	5 00
Physiology	4 00
Shop	8 00
Special examination, each.....	1 00
Graduation	5 00

Students who register for more than seventeen hours will be charged six dollars for each additional hour.

Special students taking fewer than eight hours will be charged six dollars for each hour.

Bills for college fees are due in two instalments, viz.: on or before October fifteenth, and February fifteenth, and must be paid at the office of the treasurer within ten days thereafter.

Rooms and Board

Rooms and board for women can be had at Ladies Hall, as follows:

Rooms furnished, with heat and light, per year....	\$40 00 to \$72 00
Board, per week (subject to increase)	4 50

Rooms and board for men can be had at Burdick Hall, as follows:

Rooms furnished with heat and light per year.....	\$48 00 to \$64 00
Board per week, club plan, about	3 75

Rooms and board including fuel can be obtained in private families from \$5.00 to \$6.00 per week. Board in clubs organized and managed by the students themselves varies from \$3.50 to \$5.00 per week according to the means and inclinations of the students.

Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$270.00; and by exercising care, upon \$300.00. An allowance of \$350.00 is comfortable and \$400.00 is liberal.

Board, \$3.50 to \$5.00 per week.....	\$126 00 to \$180 00
Rooms	40 00 to 72 00
Laundry	12 00 to 18 00
Books	10 00 to 25 00
Class dues, etc.....	2 00 to 10 00
College tuition, incidentals and extras.....	80 00 to 95 00
Total for year.....	\$270 00 to \$400 00

Self-Support

Many of the graduates of the college have been persons of very limited means who worked their way through college. While the college cannot guarantee work to all applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses. Students should distinctly understand that when they attempt entire self-support they may find it necessary to lengthen their term of study.

Special Students

In special cases students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted, provided they produce satisfactory evidence that they are prepared to undertake

the study of such subjects with advantage. The faculty, however, urges all such persons seriously to consider the desirability of qualifying for one of the regular courses.

Pre-Medical and Combination Courses

A pre-medical and combination college and medical course may be obtained by completing the first three years of either the classical or scientific course in Alfred, electing as a part of the work, the particular subjects required for entrance to the study of medicine, and completing in addition a medical course.

The Yale School of Medicine requires the following specific subjects to be included in the pre-medical course; general physics, laboratory physics or physical chemistry, general inorganic chemistry, organic chemistry, analytical chemistry, general biology, elementary psychology, and a reading knowledge of German. Yale accepts Alfred's certificate for the completion of the pre-medical course.

This combination course has been arranged for the purpose of giving the student the advantage of a first class college and medical course and shortening the term of study from eight to seven years.

Students who contemplate the pre-medical and combination courses should report the fact to the registrar upon entrance to college or as soon thereafter as possible.

Students Army Training Corps

For the Fall Term of 1918 the College has been giving instruction to a unit of the Students Army Training Corps. This work was expected to continue throughout the year, but was discontinued in December because there was no longer need for it in view of the triumph in Europe of the armed forces of the United States and the governments associated in the war.

In addition to eleven hours a week of military drill the students were required to elect 14 term hours from the following list of subjects :

War Issues (3 hours required), English, French, German, Mathematics, Physics, Chemistry, Biology, Geology, Geography, Topography, Meteorology, Astronomy, Physiology, Hygiene, Sanitation, Descriptive Geometry, Mechanical and Freehand Drawing, Surveying, Economics, Accounting, History, International Law, Military Law and Government. Free Elective—one subject outside the list, occupying not more than three hours per week of lectures and recitation and six hours' study.

Since it was desired that the whole unit should be quartered together the women students were transferred for this year to Burdick Hall and to a Junior and Senior house rented for this purpose in the village, and the Brick was converted into barracks for the accommodation of the Corps.

One hundred and fifty-six men were enrolled in this unit, of whom one hundred and forty-five received their full induction papers.

Admission

Candidates for admission to the freshman class must be at least sixteen years of age and of good moral character. The particular requirements for entrance to college are explained below, and cover in each case not less than a four years' preparatory or high school course.

Preparatory work is estimated in "units." The "unit" represents a course of five recitations weekly throughout an academic year of the preparatory school. The New York State regents "count" represents one-fifth of a unit. Fifteen "units" or an equivalent must be offered.

Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

Each student must be able to pass an examination upon ten books selected from the list prescribed by the college entrance associations. The following ten are recommended: Shakespeare's *Julius Caesar*, and *The Merchant of Venice*; *The Sir Roger de Coverly Papers*; Goldsmith's *The Deserted Village*; Scott's *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Irving's *Sketch Book*; Ruskin's *Sesame and Lilies*; Lowell's *The Vision of Sir Launfal*; Longfellow's *Courtship of Miles Standish*.

In addition to the above a thorough study of each of the works named below is required. The examination will be upon subject matter, form, and structure.

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; or Tennyson's *Idylls of the King*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Cæsar, four books of the *Gallie War*; Cicero, six orations; Virgil, six books of the *Æneid*, or equivalents: or four units from not more than three of the following: Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary Algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; Plane Geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, Botany, Physiology, Zoology, Physical Geography, Physics or Chemistry. Any one may be offered.

ELECTIVE—5 units in addition to the above subjects.

Candidates for the A. B. degree must offer the minimum of two units of Latin in the foreign language requirement. Candidates for the S. B. degree may substitute one unit of science and one unit of advanced mathematics for two units of foreign language. Two units of foreign language offered must be of the same language.

Summary

English	3 units
Mathematics	2 units
Foreign Languages	4 units
Science	1 unit
Elective	5 units

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as they cover these requirements. (For description of subjects, see *Entrance Requirements*).

PRINCIPAL'S CERTIFICATE. Certificates are also received from principals of preparatory or high schools outside of New York state, provided such schools are known to the faculty for thoroughness of instruction. Such certificate must specify, in connection with each subject, the extent to which it has been pursued, by giving the text-book used, the method of instruction, the amount of time given to it, the date of the final examination, the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every detail. The college furnishes blank forms for such certificates upon application of principals of approved schools. Principals of preparatory schools who desire to have their students admitted on certificate are invited to correspond with the dean.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the day preceding registration day (Tuesday, September 23, 1919).

Conditioned Students

No student can enter the freshman class conditioned in more than one unit. This condition must be removed within one year.

Admission to Advanced Standing

Students from other colleges, having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character, including an honorable dismissal.

Courses of Study

The college offers two courses of study leading to baccalaureate degrees. Each course covers four years of work and includes one hundred and ninety-two term hours. The courses are as follows :

(a) The classical course, leading to the degree of Bachelor of Arts.

(b) The scientific course, leading to the degree of Bachelor of Science.

Required Studies in Both Courses

Numerals indicate the number of class exercises per week and term hour credits, except in physical training where two exercises per week count one credit.

Freshman Year

English	3
*History or	
*Mathematics	3
Foreign Language	3
Science	3
Physical Training	1
Sociology and Ethics	1
Elective	2

Sophomore Year

English	2
Foreign Language	3
Science	3
Logic and Psychology	2
Physical Training	1
Elective	5

Elective Studies

The studies of the junior and senior years are elective and may be chosen from any department of instruction subject to the following conditions:

Each student on entering college will be assigned to some member of the faculty who will act as his adviser until May 1 of the sophomore year. At that time the adviser will report to the faculty the student's choice of major and

*Mathematics or history may be omitted in the freshman year, but the omitted subject must be included in the electives of the sophomore year.

minor subjects. The professor in charge of the department in which the major is chosen will then become the student's adviser for the remainder of the course. Each student shall elect a major and a minor, subject to the approval of the faculty. A major consists of twenty-four term hours in addition to the required work. A minor consists of fifteen term hours in addition to the required work. A student choosing science or foreign language as a major must elect a subject in which he has done at least one year of preliminary college work. D is reckoned as a passing mark; but of the one hundred ninety-two hours required for graduation one hundred thirty-five hours of the work of each student must have a grade of at least C and his major work must have an average grade of B. The major and the minor shall be chosen from the following groups:

Groups

- I. English.
- II. German.
- III. Romance Languages.
- IV. Latin.
- V. Greek.
- VI. History and Political Science.
- VII. Philosophy and Education.
- VIII. Religious Education.
- IX. Mathematics.
- X. Industrial Mechanics.
- XI. Physics.
- XII. Chemistry.
- XIII. Biology and Geology.

(a) Students in the classical course will elect a major from Group I, II, III, IV, V, VI, VII, or VIII, and complete a total of at least 99 hours from these groups and a minimum of 36 hours from the remaining groups.

(b) Students in the scientific course will elect a major from Group IX, X, XI, XII, or XIII, and complete a total of at least 72 hours from these groups and a minimum of 63 hours from the preceding groups.

The minor shall be chosen from a group other than the one from which the major is elected.

Senior Thesis

Any senior may, not later than the first of November, elect to write a thesis in the department of his major subject upon the approval and under the direction of the head of such department. The thesis work may be done on the basis of three or five hours credit as agreed upon; and credit shall be given only when the work is accepted by the head of the department, and a type-written copy deposited with the university librarian. All thesis work shall be counted as part of the senior schedule for the third term.

Before completing thesis, seniors should consult the librarian regarding form, size, and title page of the final copy.

Bachelor's Degree

The bachelor's degree will be conferred upon students who satisfactorily complete one hundred and ninety-two term hours, as described above:

(a) *Bachelor of Arts* upon students in the classical course.

(b) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The master's degree may be conferred upon graduates having the bachelor's degree, whether of this college or of any other having equivalent courses, after one year's resident study. The candidate must elect, subject to the approval of the faculty, one major and two minor subjects in advanced courses. The major must represent eighteen term hours, and each minor, nine term hours. The candidate must pass a satisfactory examination in each subject, and must submit a thesis upon some theme chosen in the field of the major subject. The thesis must be the equivalent of nine hours' work, in addition to the eighteen hours required for the major subject. It must be approved by the professor of the department in which the major is chosen, and a type-written copy must be deposited in the university library not later than May 15.

Candidates will pay the regular tuition fee of \$70 per year and a graduation fee of \$5.

Honors

Honors are awarded at the end of the freshman, the sophomore, the junior and the senior years. The names of those to whom honors are awarded will be recorded on the records of the registrar, announced on commencement day, and printed in the annual catalogue. The faculty reserves the right to withhold any honor for cause.

In determining honors the following scale of values will be used: each hour at A=3, each hour at B=2, each hour at C=1, each hour at D=0, each hour at E= -1, each hour at F= -2.

Senior Honors

Three grades of honors are awarded to seniors, based on their grades for the entire college course, viz:—(a) Highest Honors, or *summa cum laude* to those having an average of 3. i. e. no grade less than A.

(b) High Honors, or *magna cum laude* to those having an average of 2.6 and no grade below C.

(c) Honors, or *cum laude* to those having an average of 2.2.

The senior class nominates, not later than the first of January five of their number from whom one is chosen by the faculty to deliver an oration on Commencement day. It is expected that the senior thus chosen will give his time and attention outside of his class work to the preparation of this oration; two term hours credit is given for the same, and the student is known as the Class Orator.

Departmental Honors

Honors in the different departments of study are awarded to seniors under the following limitations:

1. The student must have pursued at least twelve hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of B or more in the studies pursued during the junior and the senior years.

3. Honors are voted by the faculty on recommendation of the professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Special Honors in Modern Languages

Juniors and seniors majoring in modern languages may become candidates for special honors in either German or French under the following conditions:

1. Application to become a candidate for these honors must be made to the head of the department not later than December 1, of the senior year.

2. The following courses (aggregating 46 hours, or their equivalents, must be taken: (a) for special honors in German: History 2 and 3, and German 2b, 3, 4a, 4b, 4c, 5a, 6, and 6a; for special honors in French: History and French courses of like numbers and titles with the German.

3. Candidates must complete 4000 pages of reading—1000 in English and 1000 in German in addition to the 2000 in the works read in the above courses—and hand in written reports on the same.

4. At the end of the senior year candidates will take a special examination—to be composed, one-half of an oral and one-half of a written test—in lieu of the regular final examinations in the department of modern languages.

Freshman, Sophomore and Junior Honors

One grade of honors is awarded to members of the freshman, sophomore and junior classes who have an average of at least 2.2, based on the grades for the current year, and who at the time of the award have no entrance condition.

A silver cup, given by the Twentieth Century Club of the Alumni of the College, is awarded to that one of the two lower classes making the highest scholastic average during the year.

Departments of Instruction

[Alphabetically Arranged]

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "*two hours*;" three exercises, "*three hours*," etc. Roman numerals signify that the course is limited to the one term named, I, II or III. Courses with year numerals following are given that year and alternate years; other courses are offered every year. Instructors reserve the right to vary from these announcements as circumstances may dictate.

AGRICULTURE AND DOMESTIC SCIENCE

The New York State School of Agriculture offers three courses in Agriculture designed to meet the needs of prospective high school principals, and others who wish to secure a general understanding of the science of agriculture.

It also offers two full year courses in Domestic Science; one in Foods and Cookery, and one in Sewing.

AGRICULTURE 1. — SOILS AND CROPS. A fundamental course dealing with the origin and properties of soil, physical analysis, tests for acidity, fertilizers, and crop rotation together with an intensive study of the cereal, forage, fibre and leguminous crops. *Three hours. I.*

AGRICULTURE 2. — ANIMAL HUSBANDRY AND DAIRYING. A course including a study of the breeds of farm animals, stock judging, breeding, feeding and general care. Practice is given in testing milk and cream by the Babcock test and in the operation of cream separators, and milking machines. *Three hours. II.*

AGRICULTURE 3. — POULTRY AND FRUIT GROWING. In this course the various breeds of poultry are studied from the utility standpoint, together with class work and practice in incubation, brooding, feeding, and general care; also in the grading and marketing of eggs and poultry. In the last half of this course the principles of fruit growing are considered including grafting, budding, pruning, spraying, and the harvesting and marketing of the crop. *Three hours. III.*

DOMESTIC SCIENCE 1.—FOODS AND COOKERY. A three term course covering in a brief way the principles of plain cooking; the classification of food materials according to the uses in the body, and the effect of heat on food nutrients as influenced by different methods of preparation. The conservation of food and especially the question of wheat and meat substitutes is thoroughly considered. The third term is devoted to a study of dietetics. *Two hours.*

DOMESTIC SCIENCE 2.—SEWING. In this course instruction is given in the drafting, cutting and fitting of garments, and in the use and alteration of commercial patterns in garment making. The conservation of textile fabrics; proportion, line, form, and color in dress are thoroughly considered. *Two hours.*

ART

College students may elect work in the courses in drawing, modeling, and design of the New York State School of Clay-working and Ceramics and obtain credit to the amount of fourteen term hours. The detailed description of courses will be found in the catalogue of the School of Ceramics.

HISTORY OF ART. Lectures and recitations illustrated with photographs and slides on the history of the arts and the appreciation of beauty in works of art. The beginnings of art. Egyptian, Greek and Roman art. The arts and crafts of the Middle Ages. The painting and sculpture of the Renaissance. Modern art. Reinach's History of Art Throughout the Ages is used as a text-book with supplementary reading and the keeping of notebooks. Lectures and recitations. *Two hours.*

ASTRONOMY

Professor W. A. Titsworth

1. GENERAL ASTRONOMY. The principles of astronomy are considered as far as possible without mathematics. Especial attention is paid to the application of physical principles and laws to astronomical reasoning. The course is cultural rather than technical in its nature. Prerequisites, Physics 1 and Trigonometry. *Two hours.*

BIBLICAL LANGUAGES AND LITERATURE

Professor Whitford

The English Bible is studied from a literary and historical point of view. By means of these courses the student is helped to a practical knowledge of the book which has exercised the most sweeping influence upon the human race.

1. **LIFE OF CHRIST.** A critical study is made of the material presented in the four Gospels with a view to ascertaining the facts about Jesus and his sayings as set forth in the oldest sources. The student is encouraged to discriminate in regard to the value of our various sources of information. *Three hours. One term.*

2. **THE SOCIAL AND ETHICAL TEACHINGS OF JESUS.** With the Gospels as a basis, the form, methods, and sources of Jesus' teachings are considered. The particular teachings that he made prominent, especially those concerning conduct and relations with fellowmen, are carefully noted. *Three hours. One term.*

3. **THE APOSTOLIC AGE.** The growth of the kingdom of God in the period immediately following the resurrection of Jesus the Christ is studied from the narrative of the book of Acts, and from the letters of the early apostolic missionaries. Light on the interpretation of the Epistles is sought from the circumstances and conditions under which they were written. *Three hours. One term.*

4. **THE ORIGIN AND RELIGIOUS TEACHINGS OF THE OLD TESTAMENT BOOKS.** An effort is made to get at the true meaning of the various books by considering them in connection with the situations that called them into being. The unfolding of religious ideals is traced. *Three hours. One term.*

5. **WISDOM LITERATURE.** The wisdom books of the Old Testament are studied with special attention to literary features and to determine the ethical content of the words of the wise men. *Three hours. One term.*

6. **EARLY HEBREW HISTORY.** The earlier narratives of the prophetic writers of the Pentateuch are studied with an effort to understand their point of view, and the lessons that

they meant to teach. The period covered is from Creation to the death of Moses. The student is encouraged to make special investigation of various problems. *Three hours. One term.*

7. THE UNITED KINGDOM. This is a study of the golden age of Hebrew History, from the entrance into the promised land to the close of the reign of Solomon. The narratives of Judges, Samuel and Kings are considered with attention to the varying points of view of the writers. *Three hours. One term.*

8. WAR. A consideration of the Biblical passages that lie at the foundation of international relations. What is the justification of war? How is universal peace to be established? *Two hours. One term.*

9. BIBLICAL INTRODUCTION. An investigation concerning what the Bible is and how it is to be understood and interpreted. Literary, historical and textual problems are considered. *Three hours. One term.*

10. APOCALYPTIC. This course is an attempt to find the real meaning back of the fanciful figures of the Books of Daniel and Revelation which have been obscured by the still more fanciful interpretations of the past and of the present. *Three hours. One term.*

Courses 1 and 3, 2 and 4, 6 and 7, 9 and 10, may be combined and used as two hour courses running through the year, if a number of students prefer to take the work in this way.

For the study of the Old Testament in the original the following course is offered:

11. ELEMENTS OF HEBREW. The first eight chapters of the book of Genesis are read in connection with a study of the grammatical forms as they occur. Toward the end of the course select passages from the historical books are read at sight. The student is expected to attain a mastery of Hebrew proportionate to his mastery of Latin at the end of two and one-half years. *Four hours.*

New Testament Greek: See Greek 8 and 9.

BIOLOGY AND GEOLOGY

A. Biology

Professor Bennehoff

Gertrude Ford Bennehoff

Perhaps no location in the interior of the country has such an advantageous position for botanical research as Alfred. Its elevation affords mosses and lichens; the many swamps of the water-sheds in the hills teem with algae, and are bordered with dense marginal growths of ferns and lycopodiums. The water-sheds supply a very wide range of the common plants. In addition, the college campus is ornamented with a large collection of trees and shrubs of various kinds.

The work in biology aims to give the student a first-hand knowledge of the different forms in which life expresses itself, by the direct study of organisms in the laboratory. This is supplemented by the study of standard literature, and by discussion in class. Attention is paid to the relation of organisms to each other, their adaptation to their mode of life, and the application of observations to general theories and laws.

Only those courses will be given for which five or more students register.

1. BOTANY. Morphology of Coulter Barnes and Cowles. A study of the thallophyta, bryophyta, pteridophyta and spermatophyta, first in the field and then in the laboratory. Fall field work includes the study of the ecology of the native plants. The latter part of the first, and first part of the last term are taken up with the study of plant physiology as outlined in Payne's Manual of Experimental Botany. A short study of botanical nomenclature, and then herbarium work is begun. The manual used is Gray's New Manual of Botany, seventh edition. The scope of this course is very wide with the thought that the electives offered would enable the student to specialize. *Three hours.*

2. ZOOLOGY. Text, Galloway's Zoology. The aim of this course is to present the animal kingdom to the student

in its widest aspect. The study of anatomy will be subordinated to that of the problems of physiology and ontogeny. The course includes the study of living animals, and the ecology of animals in field studies. *Three hours.*

3. PHYSIOLOGY. Martin's Human Body. Advanced Course. Text-book, supplemented by illustrations with the skeleton and manikin. *Three hours.*

4. BIOLOGY. Abbott's General Biology. The vital activities of one animal and one plant and the cell in its relation to life, as it appears in one-celled forms, are studied intensively. The phenomena of karyokinesis and reproduction are studied, aiding to understand theoretical work during the last term. *Two hours. I.*

5. THEORETICAL BIOLOGY. Walter's Genetics. Reviews of the work of Darwin, Lamarck, Mendel, DeVries, Spencer, Huxley, Weissman, and the earlier scientific theorists. Extensive study upon the recent works of such theorists as Wilson, Morgan and Davenport. Eugenics in relation to criminology, insanity, and similar human deficiencies, transmission, the determinants of transmitted characteristics, atavism, and recessiveness; and the more recent works along karyokinetic lines are studied. Course 4 is prerequisite. *Two hours. II, III.*

6. MICROSCOPY. This course includes a rapid review of the technique of the microscope, microchemistry with the polariscope, lenses, lighting, and the care of the instrument; temporary and permanent preparations, and some staining. *Two hours. I.*

7. CYTOLOGY. The preparation of the microscopic slide from fresh materials, through killing, fixing, dehydration, infiltration, imbedding, cutting, staining, and mounting. Where the student desires to do investigation work in particular lines, the material that he prepares can be such that it will directly aid him in the problem he studies. Prerequisite, course 6. *Two hours. II, III.*

8. LABORATORY METHODS. A course of instruction to give the laboratory problems to prospective biology teachers. All the courses are given with the thought of studying the subject matter and demonstrating the text. This course has more to do with running of the laboratory and preparing of

the student of natural science for teaching the work he has already seen as a student. *Two hours. I, II.*

9. MUSEUM MANAGEMENT. Every high school is gathering a small teaching museum, and it is the aim of this course to teach the student how to run the museum and prepare the specimens. The permanent preparation may relieve the teacher of much hard work at a time when his energy could be better used than in making the temporary dissections over and over, year after year. This will be found a good course to follow course 8. *Two hours. III.*

10. CRYPTOGAMIC BOTANY. No text, but a general knowledge of the work of all our best botanists is sought after. Detailed study of the slime moulds, fresh water algae fungi, lichens and mosses, with which our locality abounds. Course 1 is prerequisite. *Three hours.*

11. PHANEROGAMIC BOTANY. Text, Gray's New Manual of Botany, seventh edition. A study of the flowering plants throughout the year. Special emphasis on classification and use of the manual. Course 1 is prerequisite. *Three hours.*

12. ENTOMOLOGY. Text, Comstock's Manual of The Insects. Study of the classification of the insects, museum work, field work, preparing of specimens, and writing of economic papers and lectures. Collection required. Course without prerequisites. *Three hours.*

13. MAMMALIAN ANATOMY. Text, Davidson's Mammalian Anatomy with Special Reference to the Cat. A course for those students who think of taking up some form of medical work in the university. *Two hours.* Course 2 required.

14. EMBRIOLOGY. Text, Foster and Balfour's Embriology of the Chick. Course 2 is required. A study of the development of the chicken, and its relations to mammalian development. *Two hours. I.*

15. ORNITHOLOGY. Text, Chapman's Bird Book. Museum studies of the birds, followed by a course of bird walks in the spring. The songs of the birds; their economic importance as destroyers of insects; their nests and habits. *Two hours. II, III.*

16. CONCHOLOGY. A museum course in the study of shells. *Two hours.*

B. Geology

Professor Bennehoff

Alfred University offers superior advantages to the student of geology. The Allen Steinheim Museum is constructed of the representatives of every geological formation from the lowest Laurentian to the last Chemung, and yet no stone in the building has been moved more than two miles from the place in which the glaciers of the ice age left it. From these glacial moraines the student is able to gather valuable type collections, illustrating all the formations found between the north of Labrador and Allegany county. The palaeontological collection is very complete, containing many duplicate specimens and a carefully selected series of casts.

The work in geology is supplemented by illustrated lectures, supplied at considerable expense, and while attendance is required of the students of the geological courses, any others may attend who desire to avail themselves of the opportunity.

1. GEOLOGY. LeConte's Elements of Geology. Dynamic and structural geology are studied by means of lectures, library reading, and field work. *Two hours. I.*

2. HISTORICAL GEOLOGY. Part III of LeConte's Elements of Geology. This is a continuation of course 1. The work of this course consists of assigned readings in the library and the collecting of one hundred specimens. Prerequisite, course 1. *Two hours. II, III.*

3. ECONOMIC GEOLOGY. Economic Geology of the United States by H. Ries. A study of the formation and localities where deposits of minerals occur in the United States; coal oil, clays, cements, lime, salt, gypsum, fertilizers, and the various precious metallic ores are considered. This course may be substituted for course 2. Prerequisite, course 1. *Two hours. II, III.*

4. PALEONTOLOGY. An advanced course in historical geology, dealing with the flora and fauna of former epochs. The student learns to identify the various forms of fossils in the native Chemung formations, and aids in the work along this line in the Allen-Museum. There is no text-book; the student is taught to get the scientific names from original sources, and to work independently. Elective. Prerequisites, courses 1 and 2. *Two hours.*

CHEMISTRY

Professor W. A. Titsworth.

†Professor Bole

‡Mr. Champlin

Mrs. Bole

Mr. Axford

Mr. Haynes

1. CHEMISTRY. A thorough course in the theory and principles of the science of chemistry, covering Alexander Smith's College Chemistry. It is supposed that students entering this course shall have had high school physics, and preferably high school chemistry. Lecture and recitations *two hours*, laboratory *one hour*. This course cannot be counted on a major in Chemistry.

2. QUALITATIVE ANALYSIS. The detailed separation of the metals, non-metals and acid radicals. The student is required to apply the theory learned in course 1 and to explain the reason for each reaction. The ionic theory, solubility product, law of concentration, hydrolysis, amphoteric hydroxides, etc., are studied and application made in the separations. A laboratory course consisting of four hours of laboratory work a week throughout the year, with one hour lecture. Required of major students. Text-book, Stieglitz, Vol. 1 and Noyes. Prerequisite, course 1 or its equivalent. *Three hours*.

3. QUANTITATIVE ANALYSIS. A laboratory and lecture course. The work embraces the principal methods of gravimetric, volumetric, colorimetric and electro-chemical analysis, and the use of the reference works and the chemical journals. This course gives quantitative application of the laws which are studied qualitatively in course 2. Prerequisites, courses 1 and 2. *Three hours. I.*

*4. TECHNICAL ANALYSIS. Lectures and laboratory work. The analysis of clays, carbonate rocks and brass is carried out in detail. The student is given the opportunity to compare different methods of analysis rather than to follow any specified method. Prerequisites, courses 1, 2 and 3. *Three hours. II, III.*

†Professor of Chemistry School of Ceramics.

‡Instructor in Chemistry School of Agriculture.

*Technical courses in Chemistry may be elected in the State School of Ceramics and the State School of Agriculture.

*5. GAS AND FUEL ANALYSIS. Lecture and laboratory course. Five hours per week. The complete analysis of fuel, illuminating and natural gasses is carried out in the laboratory. The study of the various fuels is taken up and different samples are analyzed by the student. The student is taught to use the Orsat and Hemphill apparatus and the Parr Calorimeter. Prerequisites, courses 1, 2, 3, 4. *Five hours. III.*

*6. PHYSICAL CHEMISTRY. Introduction to the concepts of physical chemistry. The first term is taken up with a detailed study of the qualitative laws governing gases, liquids, solids, and substances in solution. During the second term a study of the phase rule and electro-chemistry is taken up and a detailed study of the laws of chemical equilibrium and applications of the same are carried out. The third term is given over to laboratory work. Prerequisites, courses 1 and 2 and Calculus. (Calculus may be taken simultaneously with this course). *Three hours. 1918-19.*

*7. ORGANIC CHEMISTRY. Two recitations or lectures and one two-hour laboratory period a week. During the first term the alephatic compounds are studied and the aromatic compounds the second term. The systematic study of the chemistry of the carbon compounds is taken up and many typical compounds are prepared in the laboratory. Required of major students. *Three hours. I, II.*

*8. FOOD CHEMISTRY. Two lectures and one two hour laboratory period a week. The aim of this course is a study of the chemistry of every day life as applied in the home, especially in the preparation of foods. The course acquaints the student not only with the qualitative and quantitative methods used in chemistry, but also with organic chemistry and bacteriology. This course can be of profit to those who may have to teach science in the secondary schools. Prerequisite, Chemistry 1. *Three hours. III.*

*Technical courses in Chemistry may be elected in the State School of Ceramics and the State School of Agriculture.

COMMERCIAL STUDIES

Miss Phillips

The following commercial subjects are offered primarily as war emergency courses :

STENOGRAPHY. This course includes the principles of shorthand, practice in dictation, and actual office work. Pernin's Universal Phonography is used as a text-book. *Two hours.*

TYPEWRITING. A practical course in the touch system conserving muscular and nervous energy. *Two hours.*

ENGLISH

Professor Porter

Miss Wells

1. **ENGLISH COMPOSITION.** Designed primarily to teach clear and correct expression. Themes and conferences. Reading of standard authors. Required of freshmen. *Three hours.* Prerequisite to all further courses in the department.

2. **ARGUMENTATIVE COMPOSITION.** Intended to develop the power of handling argumentative topics forcefully; frequent practice in brief drawing and less formal argument. *One hour.* 1919-20.

3. **SHORT STORY WRITING.** A study of the technique of the short story. Reading of representative short stories; writing of original stories. *One hour.* 1918-19.

4. **ADVANCED ENGLISH COMPOSITION.** Daily themes. Open to students who have passed English 1. *Two hours.* *III.* 1918-19.

5. **ANGLO SAXON.** A study of Anglo Saxon grammar. Translation of the selections in Bright's Anglo Saxon Reader and of one of the shorter Anglo Saxon poems. 1918-19. (Students majoring in English are urged to take this course.) *Three hours.* *III.*

6. **INTRODUCTION TO ENGLISH LITERATURE.** A study of representative selections of English Literature from its beginning to the present time. Required of sophomores. *Two hours.*

7 and 8. EIGHTEENTH CENTURY LITERATURE. A study of the lives, works, and times of the chief writers of the Restoration period and of the eighteenth century. *Two hours.* 1919-20.

9 and 10. NINETEENTH CENTURY LITERATURE. A detailed study of the leading writers of prose and poetry in the nineteenth century, with briefer consideration of minor contemporaries. *Three hours.* 1918-19

11. MODERN DRAMA. A study of the aspects of modern drama. Reading of recent plays of English, French, German, Scandinavian, Russian, and American dramatists. Elective for students who have credit for a year's work in English Literature. *Two hours.* III. 1918-19.

12. AMERICAN LITERATURE. A general survey of American Literature from its beginnings through the Nineteenth Century. *Two hours.* 1919-20.

13. ELIZABETHAN LITERATURE. A study of the work done by some of the chief historians, educationalists, sonneteers, and literary critics of the period. Special emphasis is given to the rise of the novel and to the development of the drama. *Two hours.* I, II. 1918-19.

14. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. (See Greek 7). With the consent of the head of the department this course may count toward a major in English. *Two hours.* Professor Hart.

15. HISTORY OF ENGLISH LITERATURE. A general survey of English Literature from its beginnings up to the Restoration period. Required for major students in the senior year. *Two hours.* I, II. 1918-19.

ETHICS

President Davis

1. PRACTICAL ETHICS. This course is a series of lectures on practical ethics. It includes a consideration of ethical problems involved in student life and in present social and industrial questions. It is required of all freshmen. *One hour.* II, III.

2. HISTORICAL AND THEORETICAL ETHICS. A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the na-

ture, function, and authority of conscience, the origin and content of the moral law and related themes. *One hour.*

GERMAN

Professor Paul E. Titsworth

Miss Keegan

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach German should take all the work offered in it.

German courses, Nos. 1 and 2a cannot be counted toward a major, nor No. 1 toward a minor.

1. BEGINNING GERMAN. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors five hours' credit only. No credit for a single term. *Three hours.* 1918-19.

2a. ELEMENTARY GERMAN. Rapid reading of German of medium difficulty; grammar; dictation; and oral exercises. Prerequisite, German 1, or its equivalent. *Three hours.*

2b. ELEMENTARY GERMAN. Oral and written composition; grammar review. Prerequisite, German 1, or its equivalent. *Three hours.*

3. INTERMEDIATE GERMAN. Intensive and extensive reading of modern German prose and poetry; systematic vocabulary drill; word formation; elementary etymology; grammar; and oral exercises. Prerequisite, German 2a. Those who have passed high school second year German with a standing of 85 per cent or better may take the course. *Three hours.*

4. NINETEENTH CENTURY GERMAN LITERATURE. A study of nineteenth century literature; word study; grammar; and oral exercises. Not open to freshmen. Prerequisites German 2b or 2a and German 3. *Three hours.* 1917-18.

5a. HISTORY OF GERMAN LITERATURE. An introduction to the study of the history of German literature, particular emphasis being laid upon the two classic periods of the twelfth and eighteenth centuries. For juniors and seniors. *Three hours.* 1918-19.

6. TEACHERS' COURSE. Introduction to the history of the German language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. GERMAN PRONUNCIATION. Much practice of German sounds, in class and out; detailed study of vocal organs and sound production; phonetics; orthoepics. *Two hours. I.*

6b. ADVANCED GERMAN GRAMMAR AND COMPOSITION. Study and application of the details of German grammar. Much oral and written composition. *Three hours.* 1917-18.

GREEK

Professor Hart

Professor Whitford

1. BEGINNING GREEK. Beginner's Greek Book; Xenophon (Anabasis); Prose Composition. This course may be elected during the last term by students who present one year of Greek at admission to College. It may not be counted toward a major nor toward a minor. *Four hours.*

2. GREEK LITERATURE. Homer (Iliad, Odyssey); Euripides (Medea). The finest portions of the Iliad will be read the first term; the second term will be devoted to reading the more interesting parts of the Odyssey, and the third term to the study of a tragedy by Euripides. Prerequisite, Greek 1 or its equivalent. *Three hours.*

3. GREEK LITERATURE. Lysias (selected orations); Plato (Apology, Crito, and closing chapters of the Phædo); Sophocles (Antigone). The work of the first part of the year centers about the life, personality, and influence of Socrates. In the latter part of the year the development of poetry from Homer and the epic to Sophocles and the Drama is traced. Prerequisite, Greek 2, or three years of preparatory Greek. *Three hours.*

4. GREEK DRAMA. Æschylus (Prometheus Bound, Agamemnon); Sophocles (Œdipus Tyrannus); Euripides (Bacchæ); Aristophanes (Acharnians, Birds). Lectures are given on the Greek theatre and the development of the Greek drama and its relation to modern drama. *Three hours.* 1918-19.

5. GREEK LITERATURE. Selections from the Greek Historians; Demosthenes (On the Crown). 1919-20.

6. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. It should be valuable to those intending to teach English literature. Wright's Greek Literature will be used as a basis for the course. *Two hours.* 1919-20.

7. NEW TESTAMENT. GOSPEL ACCORDING TO MATTHEW. Portions of this gospel are read with attention to the point of view of this author. The deviations from classical usage in grammar and syntax are noted. *Two hours.*

8. NEW TESTAMENT. EPISTLE TO THE ROMANS. The first eleven chapters are read with attention to the line of Paul's argument. *Two hours.*

HISTORY AND POLITICAL SCIENCE

A. History

Professor Norwood

Mr. Burdick

1. HISTORY OF WESTERN EUROPE, 376 A. D. TO THE PRESENT TIME. A general survey of the history of christendom from the eve of the Middle Ages to the Great War. Emphasis will be placed on the life of the times and the conditions out of which feudalism, the crusades, the renaissance, the reformation, the French revolution, and the present war grew. Care will be taken to show the essential unity of European history. Lectures, text-book, map-work, readings, discussions and topic work. Required course for freshmen. No credit given for a single term. *Three hours.*

2. HISTORY OF MODERN EUROPE, 1648-1920. The period 1648-1789 will be studied as a preface to the French Revolu-

tion, which, with the Napoleonic wars, will receive chief attention during the course. Reconstruction after Napoleon; reaction; the stand-pat diplomacy; revolutions of 1830 and 1848; the Crimean war; unification of Italy; formation of the German Empire; the eastern question; The Balkan Wars, The Great War. Lectures, text-book, readings, discussions. *Two hours.* 1919-20.

3. BRITAIN AND GREATER BRITAIN SINCE 1485. The revival of the monarchy; the break with Rome; the Marian reaction; Elizabeth and national feeling; the contest with Spain; the puritans; king and parliament; the commonwealth; the restoration; and the revolution of 1688; William of Orange; the war of the Spanish Succession; the age of Walpole; the struggle for commercial and colonial supremacy; American independence; the industrial revolution; the French Revolution and the Napoleonic wars; parliamentary reform; the growth of democracy; social and industrial problems; growth of the imperial idea; the fiscal and constitutional crisis of 1909-1911; home rule, England and the Great War. Lectures, text-book, discussions. *Two hours.* 1918-19.

4. AMERICAN HISTORY TO 1860. European background; discovery and colonization; rivalry of French and English; colonial development; social and religious life; the critical period; adoption of the constitution; rise and fall of the federalist party; social, political, and constitutional development; westward expansion; the slavery question; causes of the Civil War. Prerequisite course 1. *Three hours.* 1919-20.

5. AMERICAN HISTORY SINCE 1860. A topical consideration of the larger problems of this strenuous period. A study of recent American problems—financial, monetary, industrial, political, diplomatic, colonial and constitutional—in their historical relations. Continues course 4; open to the same class of students and conducted in the same manner. A good knowledge of the course of events will be presupposed. Not open to lower-classmen. Lectures, text-book, readings and discussions. *Three hours.* 1918-19.

6. PRO-SEMINAR IN AMERICAN HISTORY. The object of this course is to give the student an introduction to the rudiments of historical investigation. After preliminary lectures on the elements of historical criticism and bibliography, topics will be assigned for exhaustive investigations in some narrow field of recent American history. Open to qualified juniors and seniors. *Two hours. III.* 1918-19.

B. Political Science

1. AMERICAN POLITICS. In this course the mechanism of our federal, state and local governments will be considered as far as time will permit. Especial emphasis, however, will be placed on the actual working of the government and on current politics, as inducements to students to take an intelligent interest in public affairs. Considerable newspaper and other reading will be required. For juniors and seniors. *Two hours. I.*

2. CONSTITUTIONAL LAW. The work of this course consists of text-book study and a careful reading and discussion of a considerable number of selected cases appropriate to the field. Its chief object is to develop a clear, general understanding of the evolution and present status of the relation between the states and the federal government in our political system. *Two hours. II. 1919-20.*

3. INTERNATIONAL LAW. This course will include a brief survey of the history of International Law; the basis of law; rules governing international relations in peace and war; leading cases in the field; the contributions of the United States to the development of the law of nations; the Hague Conferences, and the recent changes in the law; the spirit of international relations; and questions growing out of the present war. Text-book, readings, and discussions. For juniors and seniors. *Two hours. II. 1918-19.*

C. Economics

1. ECONOMICS. General introductory survey of the field of economics. The laws of production, distribution, exchange, and consumption are studied, together with a brief consideration of the problems of the science as they appear in modern industrial society. For juniors and seniors *Three hours. I, II.*

2. CORPORATIONS. A study of the business corporation in its various aspects—political, financial, social, economic, etc. Several books will be used as texts in connection with the course, and their contents discussed and criticized in class. Prerequisite, course 1. *Three hours. II, III. 1918-19.*

3. MONEY AND BANKING. After a study of monetary theory, the theory of banking and the problems of money and banking will be taken up. Special emphasis will be

placed on American monetary and banking experience and problems. The new currency law will be considered toward the end of the term, and some attention will be given to the subject of foreign banking systems and foreign exchange. Prerequisite, course 1. *Three hours. III. 1919-20.*

INDUSTRIAL MECHANICS

Professor Crandall

The purpose of the founders of this department was to provide an opportunity for obtaining a ground work for successful professional study in any of the mechanic arts; architecture, civil, mechanical or electrical engineering. It is possible for a student graduating from the scientific course to enter the technical and professional schools with advanced standing, providing he elect his major and minor from the departments of Industrial Mechanics, Physics and Mathematics as well as choosing his free electives from these and related departments. It is desirable that such students should present for entrance at least one year's work in wood-working and one in drafting.

1. **ELEMENTARY DRAFTING.** Open to all regular and special students of the college. Elementary principles, geometric problems, projections, etc. *Two hours, counting one and one-half hours.*

2. **ADVANCED DRAFTING.** Open to those who have completed the first year's work and solid geometry. Descriptive geometry, shades, shadows, and perspectives, with their applications. *Two hours, counting one and one-half hours.*

3. **DESCRIPTIVE GEOMETRY** is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows, and perspective, all developed according to mathematical principles. *Three hours.*

4. **MACHINE OR ARCHITECTURAL DRAFTING.** Prerequisites, courses 1, 2, and 3. This course develops complete sets of working drawings, including bills of materials and

estimates of either machine, architectural, or manual training subjects as the student may elect. *Two hours, counting one and one-half hours.*

5. WOOD-WORKING. This is an elementary course open to all students of the university. The purpose is to teach the students the intelligent use of the more common hand tools used in the shop, the care and the proper methods of sharpening them, and the correct method of making the principal joints used in carpentry and cabinet-making. As soon as each kind of joint is thoroughly understood, the student is taught its practical use in making a piece of furniture or apparatus. Special stress is placed on accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. *Two hours, counting one hour.*

6. PATTERN-MAKING. Prerequisite, course 5 or its equivalent. This course aims to give the student the elements of practical wood pattern-making. Each article made is to be a practical pattern which may be successfully cast in any foundry. The work is made very technical so that the student may become acquainted with actual shop methods so far as it is possible in a school shop. Accuracy and first-class workmanship are essential for success in this course. *Two hours, counting one and one-half hours.*

7. FORGING. Prerequisites, courses 5 and 6, or their equivalent. A practical course in the drawing, welding, and bending of iron for any purpose. The management of the fire and the forge is considered of first importance in this course. A large variety of articles in both iron and steel is made during the year, the work in steel coming the latter part of the year. Such tools are made from steel as cold chisels, lathe and planer tools, and special tools for special purposes. At frequent intervals during the year lectures and demonstrations are given on such subjects as the structure and manufacture of steel and iron, welding compounds, commercial shop methods, tempering, annealing, etc. *Two hours, counting one hour.*

8. MACHINE SHOP PRACTICE. Prerequisites, courses 5 and 6, or their equivalent. This course consists of exercises in chipping, filing, and fitting, lathe and planer work, and operations on the drill press. Skill in manipulation is not

sought so much as a working knowledge of methods, a familiarity with the limitations and possibilities of the tools, and a greater insight into the practical, productive, and commercial side of shop methods and management. To this end, occasional lectures are given throughout the year on such subjects as commercial machine shop methods, time keeping systems, piece-work and premium plans, cost keeping, and stock room management. *Two hours, counting one and one-half hours.*

The following courses aim to prepare students for teaching manual training in the public schools. It is expected that students electing to take these courses will take the prescribed work in Education, and courses in drawing, modeling, and design.

9. **ELEMENTARY MANUAL TRAINING.** This is a course for those who wish to teach in the elementary school. It covers the work of the first four years, and includes the manipulation of paper, cardboard, cord, raffia, reed, thin wood, etc. The instruction is given by lectures and work in the laboratory. *Three hours.*

10. **HISTORY AND DEVELOPMENT OF MANUAL TRAINING.** This is a study of the beginning of manual training in the time of Pestalozzi and Froebel, and its progress and development down to the present time. Lectures, recitations, and outside reading with papers and discussions. *Two hours.*

11. **WOODWORKING AND DRAFTING.** Prerequisites, courses 1 and 5. This course aims to prepare students for teaching manual training in the high schools. It includes, besides the shop and drafting room, work especially planned for manual training teachers, the planning of courses, methods of teaching shop and drafting room work, a study of woods and their growth, the preparation of lumber, etc. *Two hours.*

12. **CABINET AND PATTERN MAKING.** Prerequisite, course 11. This course takes up the work for the last two years of the high school, and inclines toward vocational education. The work includes wood turning, finishing for cabinet and pattern makers, design as applied to furniture, etc. Outside reading, with papers, discussions, demonstrations and practice teaching is required. *Two hours.*

LATIN

Professor Hart

To train students to read Latin with ease is the chief aim of the instruction in the freshman year. In the later work larger interests prevail. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

Students majoring in Latin will find it to their advantage to take courses in Greek, Modern Languages, English and Philosophy. Those who expect to be recommended as teachers of Latin should take all the courses offered in the department and at least two years of Greek.

A. Latin Literature. Cicero (Selected orations); Vergil (Æneid I-VI). This course may not be counted toward a major nor toward a minor. Prerequisite, two years of Latin in the high school. *Four hours.*

1. LATIN LITERATURE. Selections from the Roman historians; Cicero (De Senectute or De Amicitia); Horace (Odes and Epodes). Collateral readings in Roman history and in the history of Latin literature are required. Prerequisite, Latin A, or its equivalent. *Three hours.*

2. LATIN LITERATURE. Horace (Satires); Juvenal (Satires); Pliny (selected letters); Martial (selected epigrams). The works of the authors named are read, not only with reference to their literary value, but also for the light which they shed on public and private life in ancient Rome. Prerequisite, Latin 1. 1919-20.

3. LATIN LITERATURE. A survey of Latin Literature both prose and poetry. An especial study will be made of the elegy, particularly of the poetry of Tibullus, Propertius, and Ovid, and its relation to Alexandrine poetry. Prerequisite, Latin I. *Three hours.* 1918-19.

4. LATIN LITERATURE. Vergil (Eclogues, Georgics, and Æneid VII-XII); Plautus, Terence (selected comedies). Prerequisite, Latin I. *Three hours.* 1920-21.

5. LATIN COMPOSITION. This course is designed for freshmen and other students who have studied Latin writing only in the preparatory course. *Two hours.*

6. **THE PRIVATE LIFE OF THE ROMANS.** The purpose of this course is to give by lectures, assigned readings, and a study of ancient representations as complete a knowledge as possible of Roman private life. Each student is expected to make two reports on special topics. No knowledge of Latin is required for this course. *Two hours.* 1918-19.

7. **LATIN LITERATURE.** A course in rapid reading of Latin prose authors. Prerequisite, Latin I. *Two hours.*

LIBRARY ECONOMY

Professor Clawson

1. **GENERAL REFERENCE.** This course is designed to give the student an adequate working knowledge of the library and library usage. It consists of lectures on the proper usage of the library and reading room; on the use and care of books, newspapers and periodicals; on the classification and arrangement of books; on the card catalogue, with instruction in its use; on the scope and use of dictionaries, encyclopedias, periodical indexes, government documents and other works of reference, with practical exercises applying the principles and methods discussed. The preparation of reference lists on assigned topics, and an original bibliography will be required as a part of the course. Open to all students; especially recommended for freshmen. *One hour.* No credit given for single term.

MATHEMATICS

Dean Kenyon

The aim of the work offered in this department is to present the practical uses and applications of the subjects taught, and to develop the powers of the student to think clearly, to reason logically, and to express himself accurately and concisely.

1. **ALGEBRA.** Ratio, proportion, progressions, permutations, combinations, binomial theorem, logarithms, partial fractions and theory of equations. *Five hours.* I.

2. PLANE TRIGONOMETRY. The solution of the right triangle, the oblique triangle, and the regular polygon, as well as the development and discussion of the principal trigonometrical formulas, and the solution of original exercises. *Freshman year. Three hours. I.*

3. SOLID GEOMETRY. Lines and planes in space, polyhedrons, cylinders, cones, and spheres, with numerous original exercises. *Freshman year. Three hours. II.*

4. ANALYTIC GEOMETRY. Loci, the straight line, circle, parabola, ellipse, hyperbola, and higher plane curves. *Five hours. II, III.*

5. SPHERICAL TRIGONOMETRY. The solution of right and oblique spherical triangles, the development of formulas, and various practical applications and original exercises. *Two hours. III.*

6. CALCULUS. Elements of calculus including differentiation, integration, maxima and minima, plane curves, areas, and applications to mechanics and astronomy. *Three hours.*

7. SURVEYING. Recitations supplemented by lectures and field practice with the compass, transit, level, and other surveying instruments. Attention is given to the best forms of keeping field notes of surveys, writing descriptions, plotting, computing, and proving work. *Two hours.*

PHILOSOPHY AND EDUCATION

A. Education

Professor Clarke

Miss Wilkins

The courses in this department are arranged to meet in full the requirements of the State Department of Education for the College Graduate Professional Certificate, which, without further examination, qualifies the holder to teach in any school of the state.

Courses 2, 3, 4 and 5, with their prerequisites, fulfill the requirements for the teacher's certificate. It is desirable for the student who chooses teaching as a profession to elect liberally from the remaining courses.

1. CHILD STUDY. A study of the physical and mental development of normal childhood and adolescence, planned to meet the needs of those who are interested in the training of children, whether as teachers or otherwise. Prerequisite, Psychology 1. *Two hours. I.*

2. EDUCATIONAL PSYCHOLOGY. Application of the principles of general psychology to the educative process. A study will be made of instinctive tendencies and the learning process, together with the methods of measuring intelligence and achievement in school studies. Attention is given to the psychology of adolescence and of the more important high school subjects. Prerequisite, Psychology I. *Two hours. II, III.*

3. HISTORY OF EDUCATION. A historical survey of the evolution of our present educational aims, methods, curricula, and school systems, aiming to develop a clear idea of the meaning and function of education. Prerequisite, Psychology 1. *Two hours.*

4. PRINCIPLES OF EDUCATION. An attempt to get an understanding of the fundamental factors involved in education and an intelligent interpretation of their significance, in order to discover the aims and principles which should guide and control educational practices in a society growing democratic. Prerequisites, Psychology 1 and Education 3. *Three hours. I.*

5. METHODS IN EDUCATION. (1) General methods in teaching, and the principles which should govern the social relationships of the school both in and out of the class-room. (2) An intensive study of the subject matter and methods of teaching the specific subjects which the student is planning to teach. The work in methods is paralleled by observation of public school teaching. Prerequisites, Psychology 1 and Education 3. *Three hours. II, III.*

6. HIGH SCHOOL ADMINISTRATION. A study, from the point of view of the principal and the teachers, of the problems of organization and management of the high school, considering (1) relation to community conditions, needs, and aims, (2) prospective life careers of the students, (3) the material equipment and support of the school, and (4) the co-operation of teaching and supervising staff and the controlling board. Open to Juniors and Seniors. *Three hours. III.*

7. **PRACTICE TEACHING.** The course consists of eight weeks consecutive teaching of a class in a local secondary school preceded by four weeks observation of the same class. The pupil teacher has the benefit of the class teacher's criticism and the general supervision of the Educational Department. Open only to seniors whose previous work in the department gives promise of professional success, and who have in addition the recommendation of the departments responsible for the subjects which they expect to teach. *Two hours credit. I, II, or III.*

8. **RELIGIOUS EDUCATION OF THE CHILD.** Offered by the department conjointly with President Davis, and Dean Main of the Theological Seminary. Open to juniors and seniors and interested members of the community such as parents and teachers, who may care to register for the course. In no sense sectarian. Its aim is to meet the problem of the early religious education of the child in such a way that there may be nothing to unlearn in his later contact with science and philosophy, thus avoiding the danger of a break in experience or a violent religious reconstruction. *Two hours. II.*

9. **SOCIAL PHASES OF EDUCATION.** An interpretation of the factors and processes of education in terms of their social meaning and function. *Three hours. II.*

For other special "Teacher's Courses" see Biology 8 and 9, French 6 and German 6.

For the education of subnormal children, see Psychology 3B.

B. Philosophy

Professor Clarke

Psychology 1 is the prerequisite to the courses in Philosophy. Students are advised to consult the instructor before making elections.

1. **INTRODUCTION TO PHILOSOPHY.** (1) A study of the fundamental problems of philosophy as related to the unifying of individual experience and knowledge. (2) A brief survey of the history of human thought showing at different periods the relation of social conditions and the state of

scientific knowledge to the dominant problems and their attempted solutions. (3) Contemporary tendencies in philosophic thought. *Three hours.*

2. PHILOSOPHY IN ENGLISH LITERATURE OF THE NINETEENTH CENTURY. Philosophic thought as reflected in the writings of Wordsworth, Carlyle, Emerson, Tennyson, Browning, Arnold. Prerequisite, English 6. Philosophy 1 should precede or parallel the course; English 9 and 10 are advised as preliminary or parallel. *Three hours. III.*

C. Psychology

Miss Wilkins

1. ELEMENTARY PSYCHOLOGY AND LOGIC. A study is made of human nature and behavior. A general survey is followed by a more detailed examination into the mental factors involved in reasoning, inductive and deductive, including the fallacies to which such reasoning is exposed. The student is encouraged to make constant application of his knowledge in the interpretation and control of his own life of thought, feeling and action, and in the critical estimation of the attitudes and inferences of others. Required of Sophomores. This course may not be counted toward a major. *Two hours.*

2. APPLIED PSYCHOLOGY. A survey is offered of the more important practical applications of psychology as thus far developed. The psychology of advertising, of industrial and personal efficiency find a place here. *Three hours for one term.*

3. ABNORMAL PSYCHOLOGY—

A. Mental Hygiene. The nature of the various neuroses and insanities will be considered with special reference to their prevention. The Freudian theory of the origin and influence of the subconscious finds a place here. Personal efficiency and mental hygiene will be stressed.

B. The Diagnosis and Treatment of Feeble-minded Children. A study of the causes and physical symptoms of mental defectiveness, methods of diagnosis, mental tests, and the education of the subnormal child. Neurotic tendencies, epilepsy, and the influences of injuries and diseases on the normal development of the child find a place here. A valu-

able course for the prospective teacher, physician, or social worker. Prerequisite, psychology 1. *Two hours.*

4. **EXPERIMENTAL PSYCHOLOGY.** This course is aimed primarily to familiarize the student with laboratory methods in general psychology and set forth representative results which have been obtained in the various fields. Individual research on a specially chosen problem may be carried on by each pupil during the latter half of the term.

A. **Memory and Thought Process.** A study of association, retention, recall, imagery, reaction time, practice, transfer of training, etc. Special attention will be given to experimental results in each field.

B. **Sense Processes.** A study will be made of the psychological laws of sense processes and the functioning of sense material in perception and judgment. Two hours recitation and one two-hour laboratory period per week. *Three hours.*

D. Sociology

Professor Clarke

1. **THE SOCIAL FUNCTION OF COLLEGE EDUCATION.** A survey of collegiate opportunities in the light of individual and social needs. A study will be made of the purpose and function of the various subjects offered by the college curriculum in their bearings upon personal development and upon vocation. Attention will also be given to improving the student's methods of study and to other problems incident to his adjustment to college life. Required of all Freshmen. This course may not be counted toward a major. *One hour. I.*

2. **CONTEMPORARY SOCIAL PROBLEMS.** A study of sociological subjects of present interest, such as the modern family, industry, poverty, crime, degeneracy, immigration, feminism, etc. Each student is required to prepare a paper based upon intensive study of some specific problem. Open to Sophomores. *Two hours. 1919-20.*

3. **PRINCIPLES OF SOCIOLOGY.** Deals with the nature and laws of human society, the primary social factors, social groupings, and the process of social evolution which has

produced our present society. Course 2 should precede this if possible. *Two hours. 1918-19.*

4. **COMMUNITY RECREATION.** The place of recreation, (leisure-time interests and activities) in individual and community life. The relations of recreation with community welfare, family life, education, industry, and religion. Its relation to personal and community degeneracy and crime. Commercialized recreation and community provision for recreation. The community center and the playground movements. How some communities are meeting their recreation needs. Community programs for recreation, pageantry, music, art, field days, playgrounds, athletic contests and tournaments, etc. Sources of literature and materials. Open to sophomores but preferable for juniors and seniors. *Three hours. I.*

PHYSICAL TRAINING

Miss Danielson

The aim of this department is to bring the body into a condition of health and strength and to develop self-reliance, co-ordination of muscular effort and grace and precision of movement.

1. **PHYSICAL TRAINING.** A course intended to interest students in physical training and to form in them right habits of exercise and hygienic living. Vital and physical examinations will be given and exercises prescribed. Course open to all college students. Freshman year, *Two hours.* Sophomore year, *Two hours.*

Military training is given to the men. Guns are provided for drill work.

For women the work is divided approximately as follows:

(a) **INDOOR WORK.** Lectures and readings in hygiene and the physiology of exercise; gymnasium work, including marching, calisthenics, exercises with light apparatus and games. From thanksgiving to the spring recess.

(b) **OUTDOOR WORK.** Tennis and ither games suited to the season and class. Fall and spring.

*PHYSICS

Professor Waldo A. Titsworth

1a. GENERAL PHYSICS. A course in general physics for those who have had high school physics, although persons who have not had the high school preparation may be admitted to the class. The student should have studied algebra, plane geometry and plane trigonometry. Special emphasis is laid on the application of principles studied in this course to natural phenomena and the common occurrences of daily life. The lectures are illustrated by demonstrations as far as possible. It is expected that the laboratory course 1b will be taken in connection with this course. First term, mechanics and heat; second term, magnetism, electricity, light and sound. *Three hours.*

1b. GENERAL PHYSICS LABORATORY. This course is planned to accompany course 1a, but will be open to any who have had a lecture course in general college physics without the corresponding laboratory work. Typical experiments illustrating the principles of physics are performed by the student in a well equipped laboratory. Experiments will also be written up in the laboratory. About twenty-five experiments will be performed during the year. Two double laboratory periods a week. *Two hours.*

2a. LIGHT. An advanced course in this subject, following a standard text such as Edser's *Light for Students*. Open to those who have had Course 1. *Three hours. I.*

2b. HEAT AND MAGNETISM. A continuation of Course 2a and open to students who have had Course 1. *Three hours. II.*

2c. ELECTRICITY. An advanced course in the Theory and practical application of the principles of electricity. Open to students who have had Course 2b. *Three hours. III.*

* Those who take a major in Physics will count as required work, Solid Geometry and Plane Trigonometry. Calculus should be taken as early in the course as possible.

3. ELECTRICAL MEASUREMENTS. Laboratory course accompanying Physics 2c. *Four hours. III.* This course is required of major students.

4. MECHANICS AND APPLIED PHYSICS. This course is open to any student who has taken Calculus and Physics 1. It covers a thorough mathematical discussion of many physical problems. *Three hours.*

PUBLIC SPEAKING

*Lucia Weed Clawson

1. ELEMENTARY PUBLIC SPEAKING. Principles of Voice and Gesture, with application of the same in the interpretation of literary and dramatic classics. Development of poise and individuality before an audience. Systematic analysis of thought processes as revealed through the spoken word. First principles of impersonation with practice in pantomime. Correction of vocal defects and personal mannerisms. A careful study of masterpieces from Shakespeare, Browning, Tennyson, etc. This course covers one college year. *Two hours.*

2. ADVANCED PUBLIC SPEAKING. Continued application of the principles of Voice and Gesture. Impersonation of scenes from plays. Interpretation of poetry, the oration, and the short story. Stage business for theatricals. Careful drill on selections of the student's choice. This course covers one college year. A Certificate of Proficiency may be issued upon the student's satisfactory completion of the two years' course. *Two hours.*

*Died October 12, 1918.

RELIGIOUS EDUCATION

Alfred Theological Seminary offers twelve courses to college students of which a minimum of twenty-four hours may constitute a major in Religious Education. Students majoring in this department should elect as collateral work physiology, educational psychology, child study, and public speaking. (For more extended description of the courses in this department see catalogue of Alfred Theological Seminary).

1. Biblical Introduction. *Three hours, one term.*
2. Old Testament History. *Three hours, one term.*
3. Social Ethics of the Old Testament. *Three hours, one term.*
4. New Testament History. *Three hours, one term.*
5. Social Ethics of the New Testament. *Three hours, one term.*
6. The Bible as Literature. *Three hours, one term.*
7. Priestly Elements in the Old Testament. *Three hours, two terms.*
8. The Life of Christ. *Three hours, one term.*
9. The Apostolic Age. *Three hours, one term.*
10. The Philosophy of Religion :—
 - A. Historical and Epistemological. *Three hours, one term.*
 - B. Psychological and Ethical. *Three hours, one term.*
11. Christian Theology. *Three hours, two terms.*
12. Principles of Religious Education. *Three hours, one term.*

ROMANCE LANGUAGES

Professor Paul E. Titsworth

Miss Keegan

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach French should take all the work offered in it, and those looking forward to possible graduate study in the same should take *at least* freshman Latin.

French courses, Nos. 1, and 2a, cannot be counted toward a major, nor No. 1 toward a minor.

A. French

1. BEGINNING FRENCH. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors eight hours' credit only. No credit for a single term. *Three hours.*

2a. ELEMENTARY FRENCH. Rapid reading of French of medium difficulty; grammar; dictation; and oral exercises. No credit for a single term. Prerequisite, French 1 or its equivalent. *Three hours.*

2b. ELEMENTARY FRENCH. Oral and written composition, grammar review. Prerequisite, French 1 or its equivalent. *Two hours.* 1919-20.

3. INTERMEDIATE FRENCH. Intensive and extensive reading of modern French prose and poetry; systematic vocabulary drill; word-formation; elementary etymology; grammar; and oral exercises. Prerequisite, French 2a.

Those who have passed high school second year French with a standing of 85 per cent or better may take this course. *Three hours.*

4a. NINETEENTH CENTURY FICTION. Literary study of fiction; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2a and 3. *Three hours.* 1918-19.

4b. NINETEENTH CENTURY POETRY. Literary study of the lyric poetry; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2b and 3. *Three hours.* 1919-20.

4c. NINETEENTH CENTURY DRAMA. Literary study of the drama of last century; word-study; grammar; and oral exercises. Not open to freshmen. Prerequisites, French 2a and 3. *Three hours.* 1919-20.

5a. HISTORY OF FRENCH LITERATURE. An introduction to the study of French literature. For juniors and seniors. 1918-19.

5b. MOLIERE. An intensive study of the life and works of Moliere. Lectures, assigned readings and reports. *Three hours. I.* 1919-20.

6. TEACHERS' COURSE. Introduction to the history of the French language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. FRENCH PRONUNCIATION. Parallel to German 6a. *Two hours. II.*

B. Spanish

1. BEGINNING SPANISH. The essentials of grammar; oral and written composition; pronunciation, and translation. No credit for single term. *Three hours.*

2. ELEMENTARY SPANISH. Study of recent narrative writings. Rapid reading of selections from Galdos, Ibanez, Bazan, Valera, and others. *Don Quixote* in English translation is required as outside reading. *Three hours.* 1918-19.

Department of Music

Ray Winthrop Wingate, Director—Professor of Music

The Department of Music offers courses in the practical and theoretical study of music, and is designed to fit students for the profession as artists, theorists, teachers or critics.

The general plan is twofold:

First—To give an opportunity to those who desire to make a serious study of music with a view to a professional career.

Second—To offer instruction to those who wish to specialize in some branch for their own personal satisfaction.

Courses of Instruction

At the present time four branches are offered: piano, voice, organ and stringed instruments, beside an extended course in harmony, theory and history of music.

These courses lead to a certificate of merit, a diploma of graduation, and a post-graduate course diploma.

Piano

The application of selected studies for overcoming difficulties, the study of memorizing for analytical insight, the study of interpretation for artistic performance, and, in general, the gradual development by means of modern technique, are the methods used in this department for the training of the student. An intellectual understanding of a composition and the artistic interpretation will be the result of the application of these principles. *Two hours credit for one term's work.*

The courses in Piano are as follows:

PIANO 1. The New England Conservatory Course, grade 1, with 1st grade pieces.

PIANO 2. New England Conservatory Course, grade 2, and selections from the Etudes of Kohler, Lemoine, Duvernoy, Burgmuller and Brauer, together with 2d grade pieces.

PIANO 3. Selections from the Etudes of Berens, Le-Couppey, Krause, Czerny and Jensen from the 2 Part Inventions of Bach, together with 3d grade pieces.

PIANO 4. Selections from the studies of Cramer and from the 3 Part Inventions of Bach. Scales, arpeggios, and double thirds in all keys. 4th grade pieces.

PIANO 5. Selected studies from Czerny op. 740 and the Gradus ad Parnassum of Clementi, together with 5th grade pieces.

PIANO 6. Selections from the Preludes of Chopin, Etudes of Moscheles, op. 70, Preludes and Fugues of Bach, Etudes of Chopin, of Liszt, and of other composers. One or more concertos selected from the works of Beethoven, Schumann, Chopin, Liszt, Tschaikowsky, Grieg and St. Saens. 6th grade pieces.

PIANO 7. (Post-graduate). The most difficult pianoforte music, comprising selections from the works of Beethoven, Schumann, Chopin and Liszt, and from the works of Claude Debussy, Vincent D'Indy and Gabriel Faure of the Modern French School, together with the most difficult pianoforte concertos.

Methods for producing refined tone, phrasing, and pedalling are taught in all of the piano courses.

Voice

Here the work demands a study of pure and resonant vocal sounds, to develop the capacity for producing such tones, to strengthen the voice and extend the range. The ear is a very great factor in the vocal world—thus it must also be trained. If started at an early age the great majority, contrary to the commonly accepted idea, could learn to sing and cultivate the art of singing. *One hour credit for one term's work.*

Preparatory Course

Fundamental principles of voice building. Position while singing, natural methods of breathing, vowel studies and tone placement.

Easy songs by composers of the old classical school. Studies and vocalizations by Garcia and Panofka.

Intermediate Course

Sight reading and ear training; vocalizations for enunciation and phrasing; studies from Panofka, Concone, and Garcia. Selected songs from the old Italian school.

Advanced Course

Phrasing and coloring of tone. Artistic interpretation; songs from the English and Italian composers of the modern school. Studies from Mazzoni, Lieber, Vaccai, etc.

Post-Graduate Course

For students who desire further knowledge of the art either as teacher or advanced soloist. Songs of both sacred and secular nature. Arias from the standard operas and oratorios. Songs from the modern composers of the French, German and Italian schools, special stress being laid on diction and interpretation.

Organ

The completion of the elementary grade of the piano course is required for admission to the organ course. This course is designed especially to provide a thorough and complete education as a choir master and organist.

It consists of the study of manuals, manual touch, easy registrations, pedal playing, compositions for church service and concert performance, choir training, etc. *One hour credit for one term's work.*

Harmony

1. Fundamental principles of harmony, origin and development of the major and minor scales and intervals; chords and their inversions, circle of major and relative minor keys; ear training, harmonizing melodies, modulation. *First term.*

2. Dominant seventh, ninth, eleventh and thirteenth chords, altered and dissonant chords, ear training and modulation, harmonizing, melodies, four part harmony, both major and minor. *Second term.*

3. Suspensions and retardations; changing and passing tones; modulations, key board modulation; pedal or organ point; original work in composition. *Third term.*

4. Vocal or open harmony; modulations, chords of five or more parts; practical application of harmonic principles in original work. Key board harmony. Original compositions. *Fourth term.*

The text-book used is that of George W. Chadwick, director of the New England Conservatory of Music. *Two hours credit for each term.*

Normal Courses

Normal courses in Pianoforte and Voice are offered to those students who desire to teach either Piano or Voice. The students are required to teach pupils in the class room after having received a Course of Preliminary lectures and demonstrations. All candidates for the Diploma of the University Music Department in the Piano or Voice Teachers' Course are required to take the full Normal Course which consists of three terms. *One hour credit for each term.*

Theory

This course begins with the acoustics, vibrations and their governing laws; notation, orchestral instruments, musical forms, clefs, scale formulas, tempo marks, abbreviations in general use in music; analyzing song forms, fugues, sonatas, overtures, etc. The text-book used is that of Louis C. Elson. *One hour credit for one term.*

History of Music

Origin and development of the music of ancient and oriental nations. History of the mass; oratorio, opera, symphony, sonata, overture; development of musical instruments; biographies of the great romantic, classic, and modern composers. *One hour credit for one term.*

Teacher's Course for Supervisors and Teachers of Public School Music

The purpose of teaching music in the public schools is three-fold.

First—To enable the largest possible number of children to participate correctly and tunefully in the singing.

Second—By this means to develop in them a love and taste for good music.

Third—To teach as many of the principles and as much of the practice of sight singing as is possible under the circumstances.

This course is the course used at the New England Conservatory of Music by Samuel W. Cole. It begins with the very first day in school, presents all the difficult problems through all the grades and gives the student a thorough understanding of all the conditions that may arise.

Each student will have direct application of all the steps used in the class room by teaching the class as if it were composed, not of fellow students, but children. The ground is thoroughly covered from the first rote song to high school choruses and cantatas. *Two hour credit for one term.*

All pupils who desire to graduate in The Public School Music course must have at least three terms of each of the following: Voice, Piano, Harmony, Theory, History of Music, School Music. *Two years study is required.*

The Department of Music receives each year a large number of inquiries for well equipped teachers in Public School Music. There are many positions as Supervisors of Music which demand well trained teachers. A large number of our recent graduates hold such positions.

A Certificate is given each student who satisfactorily completes this course. No student is allowed a recommendation to supervise and teach public school music without this certificate. In the majority of cases no examination is required of supervisors of music who are recommended by the Director of Music, to teach music in the public schools. The demand for teachers and supervisors is greater than the number that graduate. *Ten hours of observation in music classes is required.*

Solfeggio

This course consists of a thorough drill in sight singing and sight reading. Its aim is not only for one to be able to participate in musical composition at sight but to be able to read at sight, thus enabling one to follow another who is

singing both tunefully and correctly. Solfeggio consists of exercises for the voice according to the rules of solfaing. Ear training is a very important factor in Solfeggio, thus this course includes both ear training and sight singing. Pupils are trained to write, in correct notation, musical phrases which are played or sung to them, beginning with the simplest phrase and progressing until difficult melodies in either major or minor can be notated with ease. *One hour credit for one term.*

Chorus

The university chorus, a large body consisting primarily of students but excluding none of the townspeople who can pass the required examination, is the greatest musical organization of the school. The chief aim is to give at least one of the productions of the great masters, in the line of oratorios, operettas, and cantatas. The chorus consists of over one hundred voices. This year the chorus will present Oratorio and Popular Selections. *One hour credit per year.* A small fee will be charged. The chorus presented the "Holy City" by Gaul twice in 1913, the "Wreck of The Hesperus" by Anderton and "Queen Esther" by Bradbury in 1914; Sullivan's "Prodigal Son," in 1915; "Paul Revere's Ride" by Busch in 1916; Old and Modern Glees in 1917; Operetta Bo'sn's Bride by Inch and Rhys-Herbert, 1918.

Glee Club

The University Glee Club is composed of sixteen male voices chosen by competition. In June, 1918, the club completed its third year giving concerts in New York City, New Jersey, Rochester, Buffalo and near by cities. All men come and try out for the club. *Two hours credit for one year.*

Orchestra

The university boasts of a fine orchestra which plays at all the large school functions and assists in the performances of advanced piano students in concerts, chorals and oratorios. *One hour credit per year.*

Music Certificates

June, 1918

Brown, Ruth L.
Fisher, Anna M.

Brookfield
Illion

Voice Normal
Voice

Public School Music

Brown, Ruth L.
Burlick, Tina E.
Fisher, Anna M.
Maure, Warren

Supervisor of Music at Weedsport, N. Y.
Supervisor of Music at Vernon, N. Y.
Supervisor of Music at Port Byron, N. Y.

Band

The aim of a band is to give the students who possess ability in band instruments an opportunity to make use of their talent. The band plays at all school meets such as mass meetings, foot-ball, base-ball and basket-ball games.

Recitals

Throughout the year recitals are given by members of the faculty and advanced students to which the public are cordially invited. No admission is charged.

Recitals are given once a month by the students before an audience of friends and fellow students. These recitals are not exhibitions, but are intended to give the pupil experience in public performing.

The school year in this department consists of three terms of twelve weeks each. It is earnestly requested that students register at the beginning of each term, but special students may enter at any time for private instruction.

Lessons, regularly assigned, if missed, cannot be made up, unless on account of illness and then only upon application to the instructor. Thus lost lessons are a loss to the pupil. Unavoidable lost lessons must be made up before the next term begins.

No student will be registered for less than a term's work, (twelve lessons).

A thorough drill in stage deportment is given free to all registered students.

Students in the piano course before receiving a diploma must have at least three terms of harmony, theory and history of music, solfeggio and chorus. In the vocal course

at least, three terms each of piano, harmony, theory, solfeggio, chorus and history of music.

Practice pianos may be rented in the practice rooms at the rate of two dollars per term, 1 hour a day.

Any of the above courses may be taken by students of the college as elective courses, for which they receive the given credit up to an amount not to exceed twenty-one term hours.

If sufficient demand be made by the students for other instruction than above offered the department will endeavor to secure the required instructors.

All instruction in piano, voice and organ is private; in all other subjects in class.

Harmony, theory, public school music and history of music students recite twice a week.

Tuition

Per Term (Twelve Weeks)

Preparatory Course—

Voice, one lesson per week.....	\$12 00
Piano, one lesson per week.....	12 00
Two lessons per week.....	24 00

Post Graduate Course—

Voice, one lesson per week.....	16 00
Piano, one lesson per week.....	16 00
Two lessons per week.....	32 00
Organ, one lesson per week.....	12 00
Harmony, two lessons per week.....	15 00
Theory, two lessons per week.....	15 00
Music History, two lessons per week.....	10 00
Public School Music, two lessons per week.....	15 00
Solfeggio and Ear Training, two lessons per week..	10 00
Normal Voice or piano.....	12 00

Tuition is payable strictly in advance, unless otherwise arranged, at the office of the college treasurer.

Needy students, found worthy, may receive special assistance and partial free scholarships from the Director of Music.

Degrees Conferred

June 12, 1918

BACHELOR OF ARTS

Pauline Marie Babcock	Alfred
Alice Marie Baker	Corning
Celia Cottrell	Plainfield, N. J.
Ruth Charlotte Harer	Corning
Laura Marguerite Keegan	Binghamton
Lawrence Meredith Maxson	Utica
Anna Cregan Savage	Hornell

BACHELOR OF SCIENCE

Eli Roe Bartoo	Harrison Valley, Pa.
†Clifford Miller Potter	Almond

BACHELOR OF PHILOSOPHY

Ruth Lydia Brown	Brookfield
Aloysius Joseph Gaiss	Corning
Phyllis Palmer	Alfred Station
Ethel Mae Smith	Alfred
Julia Agnes Wahl	Wellsville
Marian Enid White	Falconer

BACHELOR OF SCIENCE IN APPLIED ART

Alice Augusta Cranston	Bolivar
Mildred Frederica Place	Alfred
Lucile Belle Robison	Salamanca

The following six members of the class left for the United States service before completing the course:

George Blumenthal, Jr.	New York
George Eugene Crawford	Cameron Mills
Emmet Fritjof Hildebrand	Cornwall-on-Hudson
Harold Siegrist Nash	Buffalo
Clesson Orlando Poole	Alfred
Winfield Wells Fritz Randolph	Fouke, Ark.

†In the U. S. service.

Honors

1917-1918

SENIORS

High Honors

Marian Enid White

Honors

Alice Marie Baker

Eli Roe Bartoo

Lawrence Meredith Maxson

Phyllis Palmer

Clifford Miller Potter

Department Honors

Alice Marie Baker

Eli Roe Bartoo

Celia Cottrell

Laura Marguerite Keegan

Lawrence Meredith Maxson

Phyllis Palmer

Clifford Miller Potter

Lucile Belle Robison

Anna Cregan Savage

Marian Enid White

Modern Languages

Industrial Mechanics

Modern Languages

Modern Languages

History and Political Science

History and Political Science

and Modern Languages

Industrial Mechanics

Applied Art

Ancient Languages

English and

Modern Languages

Class Orator

Marian Enid White

JUNIORS

Dorothy Belle Baxter

Wayland Harold Burdick

Earl John Burnett

Ruth Ella Canfield

Hazel Marie Humphreys

Lella Marie Spencer

Elsie Roana Tefft

Gertrude Lucy Wells

Mary Elizabeth Wilson

SOPHOMORES

Charles Willis Allsworth

Muriel Stevens Early

Margaret Huldah Everson

Helen Bishop Kies

Elizabeth Luceba Latimer

Marion Reed Roos

The cup offered by the Twentieth Century Club to the one of the two lower classes making the highest scholastic average has been won this year by the Sophomore class.

FRESHMEN

Eloise Tacie Clarke

Alfred Burdet Crofoot

Winifred Greene

Grace Alma Haggerty

Leon Edwin Haynes

Emma Rosina Schroeder

Register of Students

1918-1919

GRADUATE

Name	Residence	Course
Eaton, Harry Morton	Alfred	Chemistry

SENIORS

Axford, Vincent	Brewster	Sci.
Ayars, Alice Annie	Alfred	*Art
Baxter, Dorothy Belle	Mechanicville	Clas.
Burdick, Wayland Harold	Hornell	Clas.
Burnett, Earl John	Hornell	Clas.
Canfield, Ruth Ella	Friendship	*Art
Crawford, George Eugene	Cameron Mills	*Eng.
Davis, Elizabeth Randolph	Alfred	Clas.
Fess, LeRoy Ernest	Crittenden	Clas.
†Gunsallus, Brooke Leroy	Ridgeway, Pa.	*Eng.
†Hagar, Donald	Red Hook	*Eng.
Humphreys, Hazel Marie	Corning	Clas.
Hunting, Mary Lucetta	Plainfield, N. J.	*Art
†Kenyon, Howard Gould	Genesee, Pa.	Phil.
Larson, Ethel Anna Eleanora	Portville	Sci.
†Lobaugh, Frank Earley	Ridgway, Pa.	*Eng.
†Meier, Adolph Ernest	Paterson, N. J.	*Eng.
Morehouse Ethel Margaret	Belmont	Phil.
Pidcock, Gladys Gray	White House, N. J.	Phil.
Sheppard, Mark	Alfred	*Eng.
Sherwood, Robert Ford	Hornell	*Eng.
Spencer, Lelia Marie	Arcade	Clas.
Stevens, Dorothy Eliza	Port Leyden	Clas.
Truman, Hazel Isabel Stillman	Alfred	Phil.
Ward, Hilda Baker	German Valley, N. J.	Clas.
Wells, Gertrude Lucy	Friendship	Phil.
Wilson, Mary Elizabeth	Westwood, N. J.	Sci.
†Worden, Dean Maxson	Brookfield	Sci.
†In the U. S. Service		*Ceramics

JUNIORS

Name	Residence	Course
†Alsworth, Charles Willis	Arcade	Sci.
†Atz, Samuel David	Alfred	Sci.
†Ayars, Lister Sherman	Alfred	*Eng.
Baxter, Jean Angelia	Mechanicville	Clas.
Carter, Charles Milton	Almond	Sci.
Clark, John White	Wilcox, Pa.	Sci.
Collin, Louis Parsons	Red Hook	*Eng.
Cross, Grace Louise	Canisteo	Clas.
Cuglar, Lois Augusta	Massena	Clas.
Cullinan, John Francis	Silver Springs	Sci.
†Danforth, Frederick Clair	Silver Springs	Sci.
†Davis, Boothe Colwell, Jr.	Alfred	Sci.
†DeMott, Paul Rome	Paterson, N. J.	*Eng.
Earley, Muriel Stevens	Andover	Clas.
Everson, Margaret Huldah	Fort Plain	Clas.
Ford, George Dewey	Hornell	Sci.
Harrington, Henry Waldron	Oxford	*Eng.
†Jackson, Wayne L.	Cameron	Phil.
Jones, Sara Esther	Alfred	Phil.
Kenyon, Sherman Spicer	Westerly, R. I.	*Eng.
Kies, Helen Bishop	Springville	Clas.
Langworthy, Catherine Elizabeth	Alfred Station	Phil.
Lanphere, Dorothy Iola	Little Genesee	Clas.
Latimer, Elizabeth Luceba	Arkport	Clas.
Law, Hollice Edna	Ellicottville	Clas.
MacFadyen, Loudon Edward	Watervliet	*Eng.
McTighe, James Norbert	New York	Sci.
Mapes, Elmer Stephens	Canaseraga	Clas.
Monroe, Grayden Elwood	Alfred Station	*Eng.
Negus, Wayland	Geneva	*Eng.
Nichols, William George	Bolivar	Sci.
Pollock, Alfred Lee	Argyle	Sci.
† ‡Randolph, Franklyn Fitz	Great Kills	Clas.
†Randolph, Milton Fitz	New Market, N. J.	Sci.
Randolph, Ruth Fitz	Great Kills	Clas.
Reid, William Harold	Elmira	*Eng.
Roos, Marion Reed	Buffalo	Clas.
†Sichel, Arthur	Nanuet	Sci.
Straight, Edna Adaline	Almond	Sci.
Streeter, Beatrice	Bolivar	*Art
Vossler, Gustav Adolph	Wellsville	Sci.

† In the U. S. Service

‡Died January 1918.

*Ceramics

SOPHOMORES

Name	Residence	Course
Banghart, Margaret Gertrude	Glen Gardner, N. J.	Clas.
Barresi, Cewsme	Silver Creek	Sci.
Clarke, Eloise Tacie	Andover	Clas.
Clarke, Welcome Errington	Friendship	Sci.
Clerke, Leah Madeline	Spring Valley	*Art
Crofoot, Alfred Burdet	Shanghai, China	Sci.
Croxford, Hazel Wilhelmina	Cohoes	Clas.
Cullinan, James William	Silver Springs	*Eng.
Davis, Gladys Maralyn	Alfred	*Art
Emerson, Isabel Spencer	Hornell	Clas.
Fassette, Bertha Izobele	Adams Center	Clas.
Greene, Winifred	Alfred	Clas.
Haynes, Leon Edwin	Cuba	Sci.
Hill, Helen Louise	Ashaway, R. I.	Clas.
†Holmes, Henry Maxon	Alfred	Sci.
Husted, Saron M.	Woodhull	Sci.
Lyttle, Frobisher Theodore	Whiting, Ind.	*Art
Mack, Isabella Darling	Yonkers	Clas.
Neuwiesinger, Margaret Sarah	Califon, N. J.	Sci.
Ockerman, Elmer Harper	Buffalo	*Eng.
Plank, Ross Dewey	Hornell	*Eng.
Randolph, Sarah Fitz	Great Kills	Clas.
Randolph, Wardner Titsworth Fitz	Fouke, Ark.	Clas.
Robison, David Vincent	Salamanca	*Eng.
Schroeder, Emma Rosina	Nanuet	*Art
†Stillman, Mildred Leona	Alfred	*Art
Stillman, Ruth Alberta	Alfred	Clas.
VanHorn, Amey Doris	Gentry, Ark.	Sci.
Walsh, Ada Margaret	New York	Clas.
Wilber, Doris Evelyn	Allegany	Sci.

† In the U. S. Service.

‡ Died October 8, 1918.

*Ceramics

FRESHMEN

Name	Residence	Course
Armstrong, Robert Hood	Alfred	*Eng.
Ayars, Elizabeth Dilks	Shiloh, N. J.	Clas.
†Bassett, William Donald	Alfred	*Eng.
Beebe, Clifford Averill	Coudersport, Pa.	Sci.
Board, James Wilbor	Elma	Sci.
Bowden, Florence Belle	Shiloh, N. J.	Clas.
†Boyd, Robert Alexander	Wellsville	*Eng.
Burdick, Donald Langworthy	Ashaway, R. I.	Sci.
Burdick, Lewis Remington	Alfred	Sci.
†Burdick, Mark Roger	Nile	*Eng.
†Carlson, Milton Frederick	Jamestown	*Eng.
Chipman, Robert Clarke	Yonkers	*Eng.
Claire, Elzora	Alfred Station	Clas.
†Clark, Norman Austin	Canisteo	*Eng.
Clark, Robert Fairchild	Hornell	*Eng.
†Coffin, Leon Benjamin	Mt. Morris	*Eng.
†Compton, Max Deforest	Friendship	Sci.
Crofoot, Anna	Shanghai, China	Clas.
Davis, Theresa Sara	Shiloh, N. J.	Clas.
Dwight, Leland Clyde	DeRuyter	Sci.
†Edwards, Howard Gurnsey	Harrison Valley, Pa.	*Eng.
†Ells, Leon Emer	Alfred	*Eng.
Faulstich, Mildred Charlotte	Oswego	Sci.
Ferry, Oliver Winfred	Almond	*Eng.
†Foster, Leland Elbert	Bath	Sci.
Glaspey, Margaret Bonham	Shiloh, N. J.	Clas.
Haynes, Audrey Elvie	Cuba	Clas.
†Holmes, Lois King	Alfred	*Art
Hunt, Cynthia Martin	Wilmington, Del.	*Art
Kadlebowski, Harry	Brooklyn	Sci.
†Kellogg, Edwin King	Nunda	*Eng.
Noble, Mildred Imogene	Cohocton	Sci.
Peck, James Clair	Hornell	*Eng.
Perry, Orval Lawrence	Bolifar	Sci.
†Place, Thomas Maxson	Alfred	*Eng.
†Roe, Glenn Shattuck	Canisteo	*Eng.
Schroeder, Frederick August	Nanuet	*Eng.
†Smith, Eloise	Alfred	*Art
†Smith, Leon Burdick	Alfred	*Eng.
Stillman, Laura Marie	Alfred	*Art
Walker, Thomas Christopher	Shinglehouse, Pa.	*Eng.
†Wells, George Davidson	Friendship	Clas.
†Whitford, Alfred West	Alfred	*Eng.
†Whiting, Er Cleaveland	Hornell	Sci.

†Conditioned.

‡Died October 7, 1918.

*Ceramics

STUDENT ARMY TRAINING CORPS

Name	Residence
Anderson, George Harvey	Sinclairville
Anderson, Oliver Andrew	Olean
Anderson, Raymond Walton	Jamestown
Anthony, William Bancet	Sayville
Armstrong, Robert Hood	Alfred
Arnborg, Claire Wilbur	Kanona
Axford, Vincent	Brewster
Banks, Stanley Day	Horseheads
Barresi, Cewsme	Silver Creek
Bassett, William Donald	Alfred
Beebe, Clifford Averill	Coudersport, Pa.
Bell, Maynard Welden	Ceres
Benjamin, George	Hornell
Boyd, Robert Alexander	Wellsville
Brown, Lawrence Lincoln	Brooklyn
Brown, Romanzo Oliver	Warsaw
Burdick, Donald Langworthy	Ashaway, R. I.
Burdick, Mark Roger	Nile
Bush, Winfield Hitchcock	Kennedy
Carlson, Milton Frederick	Jamestown
Casterline, Frank Llewellyn	Belmont
Chapman, Norman Carlton	Genesee, Pa.
Chipman, Robert Clarke	Yonkers
Clark, Norman Austin	Canisteo
Clark, Robert Fairchild	Hornell
Clarke, Welcome Errington	Friendship
Coffin, Leon Benjamin	Mt. Morris
Collin, Louis Parsons	Red Hook
Compton, Max Deforest	Friendship
Conroe, Irwin Alexander	Elizaville
Cooley, Kendrick Bartlet	Angelica
Cooper, Clinton Daniel	Harrison Valley, Pa.
Cornell, Sydney Wentworth	Warsaw
Crandall, Harley Erwin	Bolivar
Crofoot, Alfred Burdet	Shanghai, China
Cullinan, James William	Silver Springs
Dickerson, Glen Gaylord	Alma
Dwight, Leon Clyde	DeRuyter
Edmunds, Chester Howard	East Otto
Edwards, Howard Gurnsey	Harrison Valley, Pa.
Ferry, Oliver Winfred	Hornell
Finch, Raymond Snow	Conewango Valley
Flynn, William Alfred	Elmira
Foote, William DeForest	Shinglehouse, Pa.
Ford, George Dewey	Hornell
Foster, Leland Elbert	Bath
Gates, Philo Abel	Whitney Crossings
Goodwin, Lester Cline	Almond

Goslee, Milton Brainard	Jewett
Grady, Hugh Harris	Newfane
Greene, Howard H.	Wellsville
Guilford, Harley Austin	Friendship
Hamblin, Nathan Cyrus	Altmar
†Harrington, Henry Waldron	Oxford
Havens, Theodore Dudley	Dalton
‡Hemphill, Harry Andrew	Coudersport, Pa.
Herrick, Arthur J.	Cattaraugus
Herron, Selden Clement	Olean
Hoffman, Theodore	Bolivar
Holcomb, Harlan Eugene	Cast le
Hubbard, Ralph Vernon	Ripley
Johnson, Arvis Andred	Wellsville
Jordan, Laurence DeForest	Cuba
Jordan, Max Clinton	Nile
Kadlebowski, Harry	Brooklyn
Keagle, Donald Marion	Wellsville
Kellogg, Edwin King	Nunda
Kemna, Alfred John	Oakwood Heights
Kraft, Robert Frederick	Hornell
Kyle, Robert Holt	Frewsburg
Lagasse, John Wesley	Sodus
Langworthy, Gordon Lewis	Adams Center
Lanphere, Lloyd Nimrod	Ceres
Lautz, George Adam, Jr.	Buffalo
Lilley, Leon Dexter	Pulaski
Lippincott, Paul Wright	Nunda
Lucas, Guy Canning	Gainsville
Lunn, Romeo Lee	Shinglehouse, Pa.
Lyttle, Frobisher Theodore	Whiting, Ind.
MacFadyen, Loudon Edward	Watervliet
McMichael, Harold Patton	Elmira
McTighe, James Norbert	New York
Mackay, Donald Henry	Addison
Mapes, Elmer Stephens	Canaseraga
Mills, Woodford Clement	Syracuse
Mitchell, Dean MacMillan	Scio
Monroe, Grayden Elwood	Alfred Station
†Negus, Wayland	Geneva
Newton, Charles Melville	Hamburg
Newton, Earl Hollis	Friendship
Nichols, William George	Bolivar
Ockerman, Elmer Harper	Buffalo
Odell, Everett	Almond
Orr, Loren F.	Addison
Osgood, Edmond Ophling	Angelica
Palmer, Cark Melvin	Almond
Palmer, Harvey Romain	Hadley

†U. S. N. R. F. on active duty.

‡Died October 3, 1918.

Parsons, Howard Lester
 Peckham, Herman Albert
 Pelham, Walter Jacobs
 Perry, Orval Lawrence
 Pfitzenmaier, Ernest R.
 Pickup, Leigh deArlie
 Place, Thomas Maxson
 Plank, Ross Dewey
 Pollard, Stephen K.
 Pollock, Alfred Lee
 Press, William Lyon
 Pritting, George Otto
 Pritting, Harvey John
 Randolph, Wardner Titsworth Fitz
 Reid, William Harold
 Rhoades, Harold Glen
 Robinson, Rodney Roderick
 Robison, David Vincent
 Roe, Glenn Shattuck
 Russell, Earl Metcalf
 Ryan, James LaVerne
 Sanford, William S.
 Schroeder, Frederick August
 Schushan, Otto
 Scott, Roland George
 Shaner, Cyril Byron
 Shaner, Fred Clinton
 Sherman, Max Horace
 Sherner, Walter W.
 Smith, Leon Burdick
 Smith, Llewellyn Metcalf
 Sprague, Raymond Benedict
 Stanton, Miller
 Taylor, Winfield Kreidler
 Tefft, Willard Homer
 Thomas, John Crawford
 Thornton, Arthur Royal
 Tuttle, DeWitt Menzo
 VanLeuvan, Edward Campbell
 Varn, Harold
 Vossler, Gustav Adolph
 Walker, Thomas Christopher
 Varner, Pearle Arthur
 Whitford, Alfred West
 Whiting, Er Cleveland
 Whyland, William Pattee, Jr.
 Volfanger, Clair H.
 Wright, Leon Edgar

Westfield, Pa.
 Cuba
 Hensonville
 Bolivar
 Canisteo
 Conewango Valley
 Alfred
 Hornell
 Belmont
 Argyle
 Shinglehouse, Pa.
 Cohocton
 Cohocton
 Alfred
 Elmira
 Conewango Valley
 Andover
 Salamanca
 Canisteo
 Castile
 Allegany
 Nunda
 Nanuet
 Olean
 Canaseraga
 Bolivar
 Bolivar
 New York City
 Arkport
 Alfred
 Cuba
 Ellington
 Cohocton
 Arkport
 Darlington, Pa.
 Swains
 Wellsville
 Knoxville, Pa.
 Olean
 Addison
 Wellsville
 Shinglehouse, Pa.
 New Haven, Ct.
 Alfred
 Hornell
 Avon
 North Cohocton
 Franklinville

U. S. N. R. F. on active duty.
 Died October 17, 1918.

SPECIALS

Name	Residence	Course
Banks, Stanley Day	Horseheads	Science
Bardeen, Helen Mildred	Alfred	Commercial
Beebe, Marjorie Hannah	Alfred	Commercial
Binns, Norah Winifred	Alfred	Commercial
Burdick, Flora Emeline	Alfred	Commercial
Carney, Mildred Esther	Hornell	Ceramics
Carpenter, Ruth Marion	Alfred	Commercial
Clarke, Erma Ardelle	Andover	Commercial
Crandall, Helen Mary	Alfred Station	Commercial
Curtis, Mary Louise Niles	Round Lake	Ceramics
Edwards, Beatrice Margaret	Hornell	Ceramics
Emerson, Margaret Virginia	Alfred Station	Commercial
Gardiner, Marion Louise	Alfred	Commercial
Grover, Beatrice May	Rockaway, N. J.	Ceramics
Holcomb, Harlan Eugene	Castile	Spanish
Howard, Nina Hildred	Alfred	Commercial
Howe, Margaret Anna	Alfred	Commercial
Hunting, Bessie Genevieve Stukey	Alfred	Ceramics
Jacox, Vinnie Ersley	Friendship	Commercial
Kinney, Dorothy Marie	Wellsville	Commercial
Preston, Thea Loraine	Almond	Commercial
St. John, Leota Edytha	Alfred	Ceramics
Shaw, Julia M.	Alfred	Commercial
Smith, Mildred Sarah	Alfred	Commercial
Whealen, Eddith Holmes	Lackawana	English

SUMMARY

Students in Attendance

Graduates	1
Seniors	22
Juniors	31
Sophomores	29
Freshmen	44
S. A. T. C.....	145
Specials	25
	297
Less Duplicates in S. A. T. C.....	50
Total in Attendance.....	247

Undergraduates in the U. S. Service

Seniors	6
Juniors	10
Sophomores	1
S. A. T. C.....	145
Total	162

Gifts and Bequests

Suggestions

Colleges, usually the most stable and fundamental of modern institutions, are now in dire distress because of the war. High costs and increased salaries enlarge expenses. Income is reduced by decreased attendance and lower rates of interest. Though Alfred has suffered keenly, it has contributed generously to the winning of the war. About four hundred students and alumni have entered the service. It maintained a Students Army Training Corps. It bought Liberty Bonds, and in many another way it has done its bit. Now is the emergency and the fitting opportunity for Alfred's friends to increase its income and to enlarge its endowment and equipment.

1. The \$100,000 Improvement Fund, now half subscribed, should be completed by Commencement, 1919. Gifts large and small for this fund will add to endowment or help complete the payment for the new heating plant just installed.

2. Five professorships, English, Modern Languages, Chemistry, Biology and Music are all in need of endowment. Forty thousand dollars each for these professorships would suffice and furnish admirable opportunities for placing foundations where they would be permanent and beautiful memorials, and most needed and profitable benefactions. Immediate gift or bequest is solicited.

3. A library fund of \$50,000, the income to be used for the purchase of books must be early provided.

4. Scholarships may be established on the payment of \$1,000 or by providing for the same by bequest. The income from such scholarship will reduce the tuition of worthy and needy students. Such scholarships make appropriate and lasting memorials where larger gifts are impossible.

5. A gymnasium building is urgently needed for which \$10,000 should be provided.

6. An assembly hall, appropriate for chapel and general assembly meetings, popular lectures, commencement exercises, etc., is needed. One hundred thousand dollars will provide it.

7. An infirmary with endowment for maintenance is a necessity for a modern and well equipped college. Fifty thousand dollars would make this provision.

Forms for Bequests

1 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, to be safely invested, and called "The _____ General Endowment Fund;" the net income only to be used for the general expenses of the University.

2 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Forty thousand dollars, to be safely invested, and called "The _____ Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

3 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of One thousand dollars, to be safely invested, and called "The _____ Scholarship;" the net income only to be used for the payment of the term bill of some worthy and needy student, the surplus income, if any, to be at the disposal of the University.

4 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, the income to be expended in the purchase of books for the Library.

5. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred New York, the sum of _____ dollars to be used for the construction, equipment and endowment of a _____ building.

The Alumni Association

The membership of this Association includes graduates and former students, members of the faculty and those who have received honorary degrees from the university. By recent action of the Association the members are classified in two groups, Regular members and Sustaining members. The Regular members pay an annual membership fee of one dollar, and the Sustaining members, an annual membership fee of five dollars.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their alma mater, as well as to promote the general welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the university, giving it the name of the KENYON-ALLEN ENDOWMENT FUND. This fund now amounts to twelve thousand dollars. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. Four-fifths of the five dollar fee paid by Sustaining members is turned over to this fund. The income of this fund is used to assist in the payment of the salary of the President of the university.

The Association frequently provides courses of lectures given by its own members for the benefit of the university.

The Association is represented on the board of trustees of the university by nine trustees, three of whom are elected each year for a term of three years.

The annual meeting of this Association is held on Wednesday of commencement week.

The Alumni Association of Alfred University

BOARD OF DIRECTORS

Mrs.	Jessie Mayne Gibbs, A. B., '99, President	Buffalo, N. Y.
Dean	Alpheus B. Kenyon, Sc. D., '74, Vice Pres.	Alfred
Prof.	William C. Whitford, D. D., Secretary	Alfred
Prof.	J. Nelson Norwood, Ph. D., '06, Treasurer	Alfred
	Orra S. Rogers, S. B., '94	Plainfield, N. J.
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred
Mrs.	Frederic P. Schoonmaker, '88	Bradford, Pa.
Hon.	Leonard W. H. Gibbs, Ph. B., '98	Buffalo
Rev.	William L. Burdick, Ph. B., D. D., '90	Alfred
Prof.	Fred C. White, A. M., '95	New York
	Marcus L. Clawson, M. D., '90	Plainfield, N. J.
	John A. Lapp, LL. D., '06	Indianapolis, Ind.
	Harry W. Prentice, A. B., D. D. S., '98	New York

EXECUTIVE COMMITTEE

W. L. Burdick, Frank L. Greene, Ford S. Clarke, and the Officers
ex-officio.

ENDOWMENT FUND COMMITTEE

Orra S. Rogers, Chas. P. Rogers, Marcus L. Clawson, and the Officers
ex-officio.

LECTURE COMMITTEE

Corliss F. Randolph, Boothe C. Davis, Daniel Lewis

MEMBERSHIP COMMITTEE

L. W. H. Gibbs, Winfred L. Potter, Fred C. White

STATISTICAL SECRETARY

Ruth L. Phillips

LIBRARY DIRECTOR

Herbert G. Whipple

THE ALFRED ALUMNI ASSOCIATION OF NEW YORK CITY

Supervising Principal Holly W. Maxson, A. B. '97, 409 Thirteenth St.,
West New York, N. J., President.
Theodore G. Davis, Ph. M. '06, Plainfield, N. J., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF SYRACUSE

Winfred Potter, Ph. B., M. D., '00, 1603 S. Salina St., Syracuse, President.
S. B. Everts, A. B. '03, 2725 Midland Ave., Syracuse, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF BUFFALO

Mrs. Corabelle Crandall Taber, A. B., '83, 138 E. Utica St., President.
Mrs. Fanny Bonham Milward, Ph. B., '07, 118 Russell Ave., Buffalo, N.
Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF CHICAGO

Miss Helen A. Titsworth, Ph. B. '06, 6121 Greenwood Ave., Chicago, Ill.
Secretary.

THE TWENTIETH CENTURY CLUB OF ALFRED UNIVERSITY

Prof. Paul E. Titsworth, Ph. D., '04, Alfred, N. Y., Secretary-Treasurer.

UNIVERSITY TRUSTEES

Representing Alumni		Term Expires
Prof.	Edwin H. Lewis, A. M., Ph. D., '87	Chicago, Ill. 1919
	Judson G. Rosebush, A. M., '00	Appleton, Wis. "
	Marcus L. Clawson, M. D. '90	Plainfield, N. J. "
	Orra S. Rogers, S. B., '94	Plainfield, N. J., 1920
	John A. Lapp, Ph. B., LL. D. '06	Indianapolis, Ind. "
	John J. Merrill, Ph. M., '84	Alfred 1921
Hon.	Daniel Lewis, Ph. D., LL. D., M. D., '69	Alfred "
Hon.	Ira A. Place, A. B., LL. B.,	New York "

Prizes and Medals

The Dr. Thomas World's Peace Prize Contest

Mrs. Vandelia Varnum Thomas, an alumna of Alfred University, has established in memory of her late husband an annual prize speaking contest to be known as The Dr. Thomas World's Peace Prize Contest. The first prize is \$50, the second \$25.

Rules Governing The Dr. Thomas World's Peace Prize Contest:

1. Open to Sophomores and Juniors (both sexes).
2. Oration not over fifteen minutes, better twelve, upon some subject related to the promotion and furtherance of peace.
3. First Test—leaving only six contestants.
Judges—President and four teachers chosen by himself, two of whom shall be women. This test is to be a private contest.
4. Final test in a public meeting known as the "World's Peace Prize Contest."
5. Three judges, one from another town, one shall be a woman.
6. These six contestants are pledged to have their papers published in some paper or magazine. As many more from the primary contestants' orations as are deemed worthy by the primary judges may be published.

Parts to be marked:

- | | |
|------------------------------|---------------|
| (1) Content..... | 50 per cent |
| (2) Literary value..... | 25 per cent |
| (3) Oratory—Enunciation..... | 10 |
| Grace or Poise..... | 10 |
| Effectiveness or | |
| Power to Move an | |
| Audience..... | 5—25 per cent |

The preliminary contest will occur February 22d, and the final, March 15th.

The Tomlinson Medal

The Tomlinson medal for proficiency in Classical Philology was established in June, 1912, by Dr. Corliss Fitz Randolph of Newark, New Jersey, an alumnus and trustee of Alfred University, as a tribute to the memory of Edward Mulford Tomlinson, for many years William B. Maxson professor of the Greek Language and Literature at Alfred.

The general conditions for the award of this medal are as follows:

"All candidates for the medal shall have passed satisfactorily the usual entrance requirements in Latin and Greek (for the classical course), and, following that, shall have pursued the study of these subjects continuously throughout the entire four years of their college course."

The detailed requirements may be had by applying to the head of the department of classical languages.

Ceramic and Chemistry Medal

A medal will be awarded to that member of the Junior class who, during his Sophomore and Junior years, has made the highest average in all his subjects. Application for this medal must be made in writing to the Registrar before the end of the first term of his Junior year. The competition is open to those majoring in chemistry or ceramic engineering.

The Twentieth Century Club Cup

The Twentieth Century Club Cup is given by the Twentieth Century Club to the one of the two lower classes, Freshman or Sophomore, having the highest scholastic average.

University Loan Fund

The UNIVERSITY LOAN FUND was established in 1915 for the purpose of helping students who do not need gifts, but do need credit. This fund was founded with the idea that it should be a self-supporting benevolence. About half of the contributors so far have given their money outright and the other half have simply advanced certain sums with the understanding that they are to receive a moderate rate of interest and that the principal shall be returned if they should ever require it.

The managing committee in making a loan considers not only the needs of the student but his scholarship, and requires appropriate security for repayment.

Loans have been made in sums varying from ten dollars to one hundred dollars and for terms ranging from a few days to two years. The rate of interest upon the loans is six percent.

So far the Fund has paid an income at the rate of four percent per annum to the contributors accepting an income and probably will continue to pay at this rate. Here is an opportunity to invest money at a rate equal to that of a savings bank, and at the same time have it helping a worthy student. This is a self-supporting benevolence.

For further information in regard to this Fund and its administration see Library Bulletin No. 8 "Borrowing Money," which may be had upon application.

Summer School

The sixth session of the summer school at Alfred University will be held July 8 to August 19, 1919. Courses are to be given in methods of teaching in high school, in grammar grades, in rural schools, problems of the secondary school for principals and others interested, and subject matter courses in the following: biology, domestic science, drawing and design (public school), English (literature and composition), Greek literature in English translations, history, Latin, mathematics, modern languages (French, German, and Spanish) physical training, physics and pottery.

The summer session offers opportunity for those not quite prepared for college to make up their conditions before entering the Freshman class next September.

Special courses for rural and graded school teachers and teachers of physical training.

For catalogue and further information, address,

PAUL E. TITSWORTH, Ph. D.,
Director Summer School at Alfred University.

SUMMER SCHOOL STUDENTS, 1918

Name	Residence
Backus, Mrs. Lulu Scott	Rochester
Bass, Mrs. Stella Maure	Brooklyn
Braddock, E. Frances	Philadelphia, Pa.
Broderick, Charlotte E.	Montreal, Canada
Cable, Margaret	Minneapolis, Minn.
Carney, Mildred Esther	Hornell
Cartwright, Claude W.	Hornell
Crumb, Ella Mae	Alfred
Curry, Mrs. Susan White	Havana, Cuba
Cuglar, Lois Augusta	Massena
Davis, Eliazbeth Randolph	Alfred
Davis, Gertrude Elizabeth	Shiloh, N. J.
Davis, Jessica	Alfred
Easton, Alice	Belmont
Eaton, Mrs. Rayonette Kindig	Alfred
Ellis, Helen Isabelle	Alfred
Fenimore, Ida E.	Philadelphia, Pa.
Fisher, Anna Mae	Ilion
Fried, Hildegarde	Wimbledon, N. D.
Groocock, Alice	Toronto, Canada
Hamilton, Esther	Portville
Houghtaling, Hazel Dell	Woodhull
Humphreys, Louise J.	University of Virginia
Hurd, Christine	Genesee, Pa.
LaLone, Marie Antoinette	Ilion
McIntire, Caroline E.	Burlington, N. J.
McPhilmy, Myrtle Frances	Port Leyden
Martin, Harriett E.	Spartansburg, Pa.
Maure, Raymond	Bernardsville, N. J.
Newcomb, Annie E.	Brooklyn
Putnam, Edith Claire	Springfield, Mass.
Reynolds, Mrs. Ruth	Alfred
Richter, Gisela M. A.	New York City
Robinson, Maude	New York City
Rogers, Ruth Adelle	Alfred
Rolfe, D. Grace	Belmont
Sprague, Beatrice	Canisteo
Straight, Mrs. Luella Hood	Alfred
Todd, Ruth Clarice	Hornell
Underwood, Elizabeth F.	Deposit
Willey, Gertrude Evelyn	Hornell
Wilson, Della Ford	Madison, Wis.
Worster, Beryl	Hornell
Young, Mary E.	Ottawa, Canada
Young, Vina	Ottawa, Canada

New York State School of Clay-Working and Ceramics

This school was established at Alfred University, by chapter 383, laws of the state of New York, 1900. The buildings are adjacent to the university campus. While a state institution, it is administered by the trustees of Alfred University. Its students profit by courses of study in the college classes and laboratories and by the university library.

The school is fully equipped with machinery and kilns for carrying out all descriptions of clay work. The art studio is provided with every facility for the study of free-hand and mechanical drawing, composition, and applied design. Tuition is free to residents of New York State.

Two courses are offered, each of four years' duration. The requirements for entrance are the same as to the college courses. The work in **Ceramic Engineering** comprises in addition to the usual subjects in science, the technology of clay working industries. The degree of Bachelor of Science in Ceramic Engineering is granted.

The course in **Applied Art** includes, besides certain college subjects, design, drawing, modeling and pottery production. The degree of Bachelor of Applied Art is granted.

A catalogue will be mailed upon application.

CHARLES F. BINNS, Director,

Alfred, N. Y.

New York State School of Agriculture

On May 6, 1908, Governor Hughes signed the bill that provided for the establishment of a State School of Agriculture at Alfred University.

The School is governed by a board of managers appointed by the Alfred University Trustees. The Commissioner of Agriculture, the Director of the State College of Agriculture, and a representative of the State Grange are ex-officio members of the board of managers.

The grounds upon which the administration buildings of the school are built join the university campus. Students, who are properly qualified, may take part work in the agricultural school and in the high school or in the college under university regulations. The association of school students with the other Alfred students will promote breadth of view and wholesome school life.

The regular course of study consists of carefully outlined courses in the main branches of agriculture, namely: animal husbandry, dairy industry, farm crops, farm management, wood and forge work, domestic science, and home economics. Well equipped laboratories, a specially selected faculty, and a 230-acre modernly managed farm are guarantees of the work offered.

Any student who is of good character, sixteen years old or more and has completed the work of the common school or its equivalent, is eligible for admission. To all students of the state of New York tuition is free.

Persons wishing further information may receive upon request a catalogue and circular describing the work of the school in detail. Apply to

WILLARD R. CONE, Acting Director,

Alfred, N. Y.

THE EIGHTY-THIRD COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, nineteen hundred and nineteen. The exercises begin Saturday morning, June 14, and close Wednesday evening, June 18.

All former students of the university, whether graduates or not, and all other friends of the institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who does not receive a copy of this CATALOGUE, or who changes his residence, will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased alumni, or any information that may help to make or keep the directory of the alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the university library.

On application to the Registrar the catalogue will be sent to young men and young women preparing for college or contemplating higher education.

Letters of inquiry may be addressed to The President of Alfred University, Alfred, N. Y.

Index

Absences	19	Industrial Mechanics..13,	49
Admission	10, 24	Interscholastic Meet....	17
On Certificate.....	26	Kanakadea Hall.....	14
On Examination.....	26	Kenyon Memorial Hall...	11
Advanced Standing.....	26	Ladies Hall.....14,	16
Agriculture	32, 95	Latin	52
Allen Steinheim Museum	13	Library	11
Alumni Association.....	85	Library Economy.....	53
Alumni Hall.....	15	Library Directors.....	6
Art	33	Location	10
Astronomy	33	Machine Shop.....	14
Athletic Association.....	17	Manual Training.....	51
Athletic Field.....	15	Master's Degree.....	29
Athletics	17	Material Equipment.....	10
Babcock Hall.....	12	Mathematic	53
Bachelor's Degree.....	29	Medals	89
Bequests	83	Museum	12
Biblical Languages.....	34	Music Department.....	65
Biological Laboratory....	12	Officers of Instruction..	7
Biology	36	Officers of Administration	9
Buildings	11	Philosophy	56
Burdick Hall.....14,	16	Physical Laboratories...	13
Calendar	2	Physical Training.....17,	59
Campus	10	Physics	60
Carpenter Shop.....	13	Political Science.....	48
Chemical Laboratories...	12	Pre-Medical Course.....	22
Chemistry	40	Prizes	88
Class Exercises.....	18	Psychology	57
Christian Associations...	18	Public Speaking.....	61
Commercial Studies.....	42	Reading Room.....	12
Courses of Study.....	27	Register of Students....	75
Conditioned Students.....	26	Registration	19
Degrees	29	Regulations	16
Degrees Conferred.....	73	Religious Education....	62
Departments of Instruction	32	Religious Life.....	15
Domestic Science.....	32	Residence Halls.....	16
Drafting	51	Required Studies.....	27
Economics	48	Rogers Observatory....	14
Education	54	Romance Languages....	63
Elective Studies.....	27	Rooms and Board.....	20
English	42	Social Life.....	16
Entrance Requirements..	24	Sociology	58
Ethics	43	Spanish	64
Examinations	19	Special Students.....	21
Excuses	19	State School of Agriculture	95
Expenses	21	State School of Ceramics	94
Faculty	7	Students Army Training	
Fees	20	Corps	22
Forms for Bequests....	84	Student Assistants.....	8
French	63	Student Organizations...	17
General Information.....	10	Student Senate.....	17
Geology	39	Summer School.....	91
German	44	Summer School Students	92
Gifts	83	Terms	18
Glee Club.....	70	Thesis	29
Greek	45	Trustees	4
Groups	28	Trustees' Committees....	5
Gymnasium	15	Tuition	20, 72
Heating Plant.....	15	Unit of Credit.....	19
History	10, 46	University Loan Fund....	90
Honors	30, 74	Vacations	18
		Wood-Working	51

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-1866
JONATHAN ALLEN, PH. D., D. D., LL. D.	1866-1892
ALPHEUS BURDICK KENYON, Sc. D. (Acting)	1892-1893
ARTHUR ELWIN MAIN, A. M., D. D., L. H. D.	1893-1895
BOOTHE COLWELL DAVIS, PH. D., D. D., LL. D.	1895-



8H
1/20

UNIVERSITY PUBLICATIONS

EIGHTY-FOURTH YEAR, No. 10a

Alfred College Catalogue

1919--1920

UNIVERSITY OF ILLINOIS LIBRARY

EIGHTY-FOURTH YEAR



ANNOUNCEMENTS

1920--1921

*Published Monthly by Alfred University. Entered as second class matter
at Alfred, N. Y., under act of Congress, July 16, 1894
Accepted for mailing at special rate of Postage provided for in Section
1103, Act of Oct. 3, 1917, authorized on July 3, 1918*

UNIVERSITY OF ILLINOIS

--MAR 24-1920

Alfred College Catalogue

1919-1920

and

Announcements

1920-1921

College Calendar

First Term 1919.-1920

		1919
Entrance Examinations	Tuesday	Sept. 23
Registration	Wednesday	Sept. 24
Instruction begins	Thursday	Sept. 25
Thanksgiving Recess begins	Wednesday noon	Nov. 26
THANKSGIVING RECESS		
Instruction resumed	Monday noon	Dec. 1
Founders' Day	Friday	Dec. 5
Term Examinations begin	Monday	Dec. 15
Term ends	Wednesday	Dec. 17
HOLIDAY RECESS		

Second Term

Instruction resumed	Wednesday morning	Dec. 31
		1920
Term Examinations begin	Monday	Mar. 15
Term ends	Wednesday evening	Mar. 17
SPRING RECESS		

Third Term

Instruction begins	Wednesday	Mar. 24
Memorial Day	Sunday	May 30
Final Examinations begin	Monday	June 7
Final Examinations end	Friday	June 11
EIGHTY-FOURTH ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 12
Commencement Play	Saturday evening	June 12
Baccalaureate Sermon	Sunday evening	June 13
Alumni Association, Directors' meeting	Monday afternoon	June 14
Annual Concert	Monday evening	June 14
Class breakfasts and reunions	Tuesday morning	June 15
Annual meeting of Trustees	Tuesday morning	June 15
Annual meeting of Corporation	Tuesday afternoon	June 15
Class-day Exercises	Tuesday afternoon	June 15
Alumni Banquet	Tuesday evening	June 15
Commencement Exercises	Wednesday morning	June 16
Alumni Association, Public Session	Wednesday afternoon	June 16
President's Reception	Wednesday evening	June 16
SUMMER VACATION		

Summer Term 1920

Summer Term begins	Tuesday	July 6
Summer Term ends	Wednesday	Aug. 18

First Term 1920--1921

		1920
Entrance Examinations	Tuesday	Sept. 28
Registration	Wednesday	Sept. 29
Instruction begins	Thursday	Sept. 30
Election Day	Tuesday	Nov. 2
Thanksgiving Recess begins	Wednesday noon	Nov. 24
THANKSGIVING RECESS		
Instruction resumed	Monday noon	Nov. 29
Founders' Day	Sunday	Dec. 5
Term Examinations begin	Monday	Dec. 20
Term ends	Wednesday evening	Dec. 22
HOLIDAY RECESS		

Second Term

		1921
Instruction resumed	Wednesday morning	Jan. 5
Term Examinations begin	Monday	Mar. 21
Term ends	Wednesday evening	Mar. 23
SPRING RECESS		

Third Term

Instruction begins	Wednesday	Mar. 30
Memorial Day	Monday	May 30
Final Examinations begin	Monday	June 6
Final Examinations end	Friday	June 10
EIGHTY-FIFTH ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 11
Annual Concert	Saturday evening	June 11
Baccalaureate Sermon	Sunday evening	June 12
Alumni Association, Directors' meeting	Monday afternoon	June 13
Commencement Play	Monday evening	June 13
Class breakfasts and reunions	Tuesday morning	June 14
Annual meeting of Trustees	Tuesday morning	June 14
Annual meeting of Corporation	Tuesday afternoon	June 14
Class-day Exercises	Tuesday afternoon	June 14
Alumni Banquet	Tuesday evening	June 14
Commencement Exercises	Wednesday morning	June 15
Alumni Association, Public Session	Wednesday afternoon	June 15
President's Reception	Wednesday evening	June 15
SUMMER VACATION		

Summer Term 1921

Term begins	Tuesday	July 5
Term ends	Wednesday	Aug. 17

Board of Trustees

Officers

VERNON A. BAGGS, President	Alfred
FRANK L. GREENE, Vice President	Alfred
CURTIS F. RANDOLPH, Treasurer	Alfred
D. SHERMAN BURDICK, Secretary	Alfred

Term expires in June 1920

Hon.	WILLIAM WALLACE BROWN, A. M., LL. D., '61, Bradford, Pa.	
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
Mrs.	WILLIAM C. BURDICK,	Alfred
Hon.	EDWARD W. HATCH, LL. D.,	New York
Rev.	WILLIAM L. BURDICK, D. D., '90,	Alfred
	B. SHEFFIELD BASSETT	Alfred
	JOHN A. LAPP, Ph. B., LL. D., '06,	Chicago, Ill.
	EDGAR H. COTTRELL,	New York
Hon.	FRANK SULLIVAN SMITH, LL. D.,	Angelica
	WILLIAM C. HUBBARD, M. S.,	Plainfield, N. J.

Term expires in June 1921

*Hon.	DANIEL LEWIS, M. D., LL. D., '69,	Alfred
	IRA A. PLACE, A. B., LL. B.,	New York
	JOHN J. MERRILL, Ph. M., '84,	Alfred
Hon.	LEONARD W. H. GIBBS, Ph. B., '98,	Buffalo
	NATHAN E. LEWIS	Plainfield, N. J.
	VERNON A. BAGGS,	Alfred
	HOBART B. AYERS, M. E.	Pittsburgh, Pa.
	HERBERT G. WHIPPLE, A. B., '87,	New York
	ELIE E. FENNER	Alfred
	FRANK L. GREENE, A. M., Ped. D.,	Alfred
	C. LOOMIS ALLEN, Sc. D.,	Syracuse

Term expires in June 1922

Prof.	EDWIN H. LEWIS, Ph. D., LL. D., '87,	Chicago, Ill.
	JUDSON G. ROSEBUSH, A. M., '00,	Appleton, Wis.
	MARCUS L. CLAWSON, M. D., Ph. B., '90,	Plainfield, N. J.
Supt.	HENRY M. MAXSON, A. M., Ped. D.,	Plainfield, N. J.
Hon.	GEORGE L. BABCOCK,	Plainfield, N. J.
	CLARENCE W. SPICER,	Plainfield, N. J.
Pres.	BOOTHE COLWELL DAVIS, Ph. D., LL. D., '90,	Alfred
Hon.	WILLIAM J. TULLY, LL. D.,	New York
	CURTIS F. RANDOLPH	Alfred
	WILLIAM R. CLARKE,	New York
	CORLISS F. RANDOLPH, A. M., L. H. D., '88,	Newark, N. J.

Standing Committees of the Board

Executive

VERNON A. BAGGS, Chairman

D. SHERMAN BURDICK, Secretary

B. SHEFFIELD BASSETT	JOHN J. MERRILL
WILLIAM WALLACE BROWN	ELIE E. FENNER
BOOTHE COLWELL DAVIS	ORRA S. ROGERS
CURTIS F. RANDOLPH	HERBERT G. WHIPPLE
WILLIAM L. BURDICK	FRANK L. GREENE

Teaching Force

BOOTHE COLWELL DAVIS	HENRY M. MAXSON
CORLISS F. RANDOLPH	

Buildings and Grounds

BOOTHE COLWELL DAVIS	VERNON A. BAGGS
JUDSON G. ROSEBUSH	CLARENCE W. SPICER
JOHN J. MERRILL	

Supplies and Janitors

VERNON A. BAGGS	B. SHEFFIELD BASSETT	WILLIAM L. BURDICK
-----------------	----------------------	--------------------

Printing and Advertising

BOOTHE COLWELL DAVIS	FRANK L. GREENE	JOHN J. MERRILL
----------------------	-----------------	-----------------

Auditor and Attorney

HERBERT G. WHIPPLE

Investment

ORRA S. ROGERS, Chairman

NATHAN E. LEWIS	WILLIAM J. TULLY	D. SHERMAN BURDICK
ELIE E. FENNER	WILLIAM R. CLARKE	WILLIAM C. HUBBARD

Finance

ORRA S. ROGERS, Chairman

BOOTHE C. DAVIS	EDGAR H. COTTRELL	C. LOOMIS ALLEN
WILLIAM J. TULLY	WM. WALLACE BROWN	WILLIAM R. CLARKE
EDWARD W. HATCH	GEORGE L. BABCOCK	JUDSON G. ROSEBUSH
LEONARD W. H. GIBBS	WILLIAM C. HUBBARD	EDWIN H. LEWIS
JOHN A. LAPP	CURTIS F. RANDOLPH	D. SHERMAN BURDICK
CLARENCE W. SPICER	IRA A. PLACE	

Charles Potter Professorship of History and Political Science, Library Fund

BOOTHE C. DAVIS	CORTEZ R. CLAWSON	J. NELSON NORWOOD
-----------------	-------------------	-------------------

George B. Rogers Professorship of Industrial Mechanics, Mechanical Library and Apparatus Fund

FRANK L. GREENE	CLIFFORD M. POTTER	WILLIAM L. BURDICK
-----------------	--------------------	--------------------

Library Director Representing the Board of Trustees

CORLISS F. RANDOLPH

Ladies' Auxiliary Committee

Mrs. FRANK L. GREENE, Chairman
Mrs. JOHN J. MERRILL
Mrs. BOOTHE C. DAVIS
Mrs. WILLIAM C. BURDICK

Miss SELINDA I. GREENE
Mrs. D. SHERMAN BURDICK
Mrs. CHARLES STILLMAN
Mrs. VERNON A. BAGGS

Library Directors

BOOTHE COLWELL DAVIS, President (*ex-officio*)
CORTEZ R. CLAWSON, Librarian (*ex-officio*)
J. NELSON NORWOOD, Chas. Potter Professor (*ex-officio*)
CORLISS F. RANDOLPH, representing Trustees
ALPHEUS B. KENYON " Faculty
HERBERT G. WHIPPLE " Alumni

Officers of the University Corporation

For year ending June, 1920

ALPHEUS B. KENYON,	President
ARTHUR E. MAIN,	Vice President
WILLIAM C. WHITFORD,	Secretary

Officers of Instruction

BOOTHE COLWELL DAVIS, Ph. D., D. D., LL. D., President
Professor of Ethics

ALPHEUS B. KENYON, Sc. D., Dean
Rhode Island Professor of Mathematics

WILLIAM CALVIN WHITFORD, A. M., D. D.
Professor of Biblical Languages and Literature

PAUL E. TITSWORTH, Ph. D.
Professor of English

CORTEZ R. CLAWSON, Litt. B., A. M., Librarian
Professor of Library Economy

JAMES D. BENNEHOFF, S. M.
Professor of Biology and Geology

George B. Rogers Professor of Industrial Mechanics

J. NELSON NORWOOD, A. M., Ph. D.
Charles Potter Professor of History and Political Science

† MABEL I. HART, A. M., Dean of Women
Wm. C. and Ida F. Kenyon Professor of Latin and
Wm. B. Maxson Professor of Greek

WALDO ALBERTI TITSWORTH, S. M., Registrar
Babcock Professor of Physics and Professor of Chemistry

RAY WINTHROP WINGATE
Professor of Music

HELENA PIOTROWSKA, A. M.
Associate Professor of Philosophy and Education

† MORTON E. MIX, Ph. B.
Instructor in Modern Languages

† Absent on leave.

RUTH LORANA PHILLIPS, Ph. B.

Instructor in Stenography and Typewriting

ETHEL VIOLA DANIELSON

Instructor in Physical Training

ROSEMARY OWENS BOLE, A. M.

Instructor in Chemistry, and Acting Dean of Women

ELSIE HUNTTING THRALL, A. M.

Instructor in Modern Languages

JOHN BARKER STEARNS, A. M.

Instructor in Latin and Greek

FLORENCE RUELLA KELLY, A. B.

Instructor in Philosophy and Education

MARIA SALVERY DE LIMINANA

Instructor in Spanish and French

CLIFFORD M. POTTER, B. S.

Instructor in Industrial Mechanics

Student Assistants

English

Hollice E. Law
Clifford A. Beebe

Chemistry

Winfield F. Randolph
Leon E. Haynes
Frederick A. Schroeder

Biology

Donald L. Burdick

Physical Training

Winfield F. Randolph

History

Elmer S. Mapes

Committees of the University Faculty

Athletics

G. A. Bole	W. A. Titsworth	J. D. Bennehoff
J. N. Norwood	Archie E. Champlin	

Extension

C. E. Ladd	J. B. Shaw	P. E. Titsworth
	John B. Stearns	

Program

P. E. Titsworth	M. Elsie Binns	Helena Piotrowska
	C. E. Ladd	

Committees of the College Faculty

Degrees

Dean A. B. Kenyon	C. F. Binns	W. A. Titsworth
-------------------	-------------	-----------------

Student Life

J. N. Norwood	Rosemary O. Bole	P. E. Titsworth
	Marion L. Fosdick	

Catalogue

W. C. Whitford	C. R. Clawson	J. B. Stearns
----------------	---------------	---------------

Absences

A. B. Kenyon	Florence R. Kelly	W. A. Titsworth
--------------	-------------------	-----------------

Schedule

W. A. Titsworth	Clifford M. Potter	J. N. Norwood
-----------------	--------------------	---------------

Assembly Addresses

P. E. Titsworth	J. N. Norwood
-----------------	---------------

Student Loans

W. C. Whitford	P. E. Titsworth	A. B. Kenyon
----------------	-----------------	--------------

Glee Club

P. E. Titsworth	R. W. Wingate	C. R. Clawson
-----------------	---------------	---------------

Counselors—Class of 1922

J. N. Norwood	M. Elsie Binns	Elsie H. Thrall
	P. E. Titsworth	

Counselors—Class of 1923

C. F. Binns	Florence R. Kelly	Marion L. Fosdick
	J. D. Bennehoff	

Auditor For Student Organizations

W. C. Whitford

Officers of Administration

BOOTHE COLWELL DAVIS, President and University Chaplain

ALPHEUS B. KENYON, Dean

ROSEMARY O. BOLE, Acting Dean of Women

WALDO A. TITSWORTH, Registrar

WILLIAM C. WHITFORD, Secretary of Faculty

CURTIS F. RANDOLPH, Treasurer

CORTEZ R. CLAWSON, Librarian

JAMES D. BENNEHOFF, Curator of Allen Museum

CLARENCE E. COBB, M. D., Medical Adviser

EVA B. MIDDAGH, Matron, Dormitory for Women

HARRY C. GREENE, Chief Janitor and Superintendent of Grounds

RUTH L. PHILLIPS, Secretary to the President

General Information

History

On December 5, 1836, a select school was organized in the village of Alfred. The educational interests manifested in this humble beginning grew and resulted in the organization of an academy with a suitable building and small equipment. To meet the needs of an increasing attendance additional teachers were secured and in 1843 a charter was granted to "Alfred Academy." In 1846 three school buildings were erected on the present campus. In 1857 a university charter was granted.

The college was founded and is maintained in the interests of Christian education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration.

Location

ALFRED COLLEGE is located at Alfred, Allegany county, New York, on the Allegheny division of the Erie railroad. Alfred is pleasantly situated among rugged hills at an altitude of eighteen hundred feet above sea level, and affords many conditions conducive to health.

Admission

Alfred College opens its doors to all worthy persons of either sex who possess the requisite literary qualifications and who present themselves for the purpose of doing earnest, faithful work. Persons who are addicted to the use of intoxicants or who have other habits detrimental to successful intellectual, moral or physical development will not knowingly be admitted or retained.

Material Equipment

THE COLLEGE CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, ornamented with a variety of trees and shrubs, forming an arboretum of beauty and value. Its lawns, walks, and drives are kept up by the income from a special endowment for that purpose.

There are eleven buildings on the campus: Alumni Hall, Kenyon Memorial Hall, Carnegie Library, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Ladies Hall, Burdick Hall, Kanakadea Hall, Gothic, and Central Heating Station. Adjacent to the campus are the buildings of the New York State School of Clay Working and Ceramics, and of the New York State School of Agriculture.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a brick building completed in 1882. It contains the college assembly room, drafting room, and the recitation rooms and offices of the departments of Ancient and Modern Languages.

THE LIBRARY. The Carnegie library erected in 1912 is a beautiful building of brick and stone which contains in addition to the library, reading room, and seminar rooms, the offices of the President and the Treasurer.

The library contains over 30,000 volumes fully classified. It is open every college week day from 8:00 A. M. to 12 M. and from 1:30 to 5:30 P. M., also evenings from 7:30 to 9:30, and Saturday and Sunday afternoons from 3:00 to 5:00. Students are allowed free access to the shelves and are encouraged to diligent use of the books. The librarian is in constant attendance as reference librarian to give counsel and aid in any line of reading and research. All books, except works of reference, may be drawn for home use under prescribed regulations. The library is under the supervision of a board of directors consisting of the presi-

dent, the librarian, the professor of History ex-officio and one representative each from the board of trustees, the faculty and the alumni association.

A READING ROOM well equipped with newspapers and periodicals, is maintained in connection with the library.

THE ALLEN STEINHEIM MUSEUM stands upon the lower slope of Pine Hill, overlooking the campus. This structure, a memorial of President Allen and Mrs. Allen, built in the style of an old castle, is unique among the college buildings. In its construction many varieties of rock found in the vicinity of Alfred were used. This building is the repository for the college collections of minerals, stone implements, pottery, coins, shells, corals, birds, animals, entomological and botanical specimens, and general curios.

THE BIOLOGICAL LABORATORY. The lecture room and laboratory of biology are in the Allen Steinheim Museum. The museum collections are intended especially as illustrative material to be used in this department. The biological laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments and other facilities. There is a department library containing many of the reference and text books on the subjects of biology and geology.

THE BABCOCK HALL OF PHYSICS, named in memory of George H. Babcock, founder of the professorship of physics, is a brick building, constructed especially for the study of the physical sciences. The laboratories are supplemented by a lecture room and department offices. The departments of Chemistry and Industrial Mechanics also have rooms in the building, including laboratories, a lecture room, department libraries, a machine shop, and a wood shop.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. The laboratories are well equipped to carry out the work of the department. The analytical

laboratory is equipped with the apparatus necessary for blowpipe analysis, qualitative analysis, quantitative analysis, and organic chemistry. The department is provided with a special library for reference, containing the best authorities on the science of chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a variety of apparatus for demonstrating physical laws. Adjoining the lecture room in the south wing is the laboratory fitted up for experiments in optics.

In addition to the lecture and apparatus rooms, there is a laboratory well-equipped for performing experiments in general physics. Besides such usual equipment, the department has a number of special pieces of apparatus for illustrating physical laws.

Valuable pieces of apparatus are designed and made in the shops of the college. Additions to the apparatus and the department library are made annually as the income accrues from the endowment fund of the Babcock professorship of physics.

INDUSTRIAL MECHANICS. The George B. Rogers department of industrial mechanics was founded in 1867 by Mrs. Ann M. R. Lyon and named in memory of her deceased son. The department has a library containing books upon the various branches of mechanics including practical and theoretical works upon architecture, machine construction, and engineering. There is also apparatus for illustrating mechanical movements, intersections of surfaces and solids, warped surfaces, etc. Yearly additions are made to the library and apparatus of the department. The department is located in rooms in the Babcock Hall of Physics, and is equipped for actual practical work in the drafting room, car-shop. Through the kindness of the Domestic Engineering Company of Dayton, Ohio, a demonstration Delco lighting plant has been installed in the basement of Babcock Hall. This outfit furnishes electric lights for the building.

THE CARPENTER SHOP, a commodious and well lighted room on the basement floor of the north wing of Babcock Hall, is equipped with wood lathes, circular saws, jig saws, shaping machines, and work benches, with sets of hand tools for the various branches of wood working. Power is furnished by an electric motor. Carpentry, wood turning, and pattern making are taught.

THE MACHINE SHOP, occupying the ground floor of the west wing of the Hall of Physics, is provided with lathes, planers, drills, shaping and other power machines, also hand tools for metal working. The machinery is driven by electric power. Many pieces of mechanical and scientific apparatus have been designed and constructed in the department. By the construction in the shops of some of the apparatus used in the department, the students gain practical as well as theoretical knowledge.

THE ROGERS OBSERVATORY, named in memory of Professor William A. Rogers, contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus.

LADIES HALL is a large brick dormitory which contains rooms for about sixty women students, the assembly rooms for about sixty women students, the rooms of Young Women's Christian Association, and a dining hall.

BURDICK HALL, the dormitory for men, named after Mr. William C. Burdick, was given to the university by his widow, Mrs. Amanda M. Burdick, and his daughter, Miss Susan M. Burdick. This dormitory is a frame building, containing furnished rooms for about thirty students. In it are the headquarters of the Young Men's Christian Association, and a boarding club for men.

KANAKADEA HALL is a two story brick and wood building with terra cotta roof. It contains the lecture rooms and offices of the departments of English, History and Political Science, Mathematics, and Philosophy and Education, and the office of the Dean and the Registrar.

ALUMNI HALL. The old Chapel which has for several years past been used for the Academy was made available for an alumni hall when, in 1915, all of the college preparatory and high school work was taken over by the public school. This is a substantial frame building, fifty by one hundred feet, and contains a large assembly hall and the rooms of the Alleghanian and the Orophilian Lyceums. At present the assembly hall affords an excellent place for basketball practice.

GYMNASIUM. The gymnasium floor is in Alumni Hall. It is equipped with chest weights, dumb-bells, wands, Indian clubs, horizontal and parallel bars and mats. Dressing rooms with individual lockers are provided. The gymnasium is in charge of the physical director. The alumni and other friends of the university have started a fund known as the "Davis Gymnasium Fund" to provide a more commodious gymnasium.

HEATING PLANT. A central heating station equipped with 250 horse-power boilers and connected with the several buildings on the campus furnishes a modern and improved heating system.

ATHLETIC FIELD. The university athletic field embraces over three acres of level land. All local intercollegiate contests in football, baseball, and track athletics are held on this field. The field affords a running track (one-sixth of a mile). Appropriate apparatus for field sports is provided.

Religious Life

While the college is non-sectarian it is distinctly a Christian institution. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. Brief chapel exercises are held at ten o'clock Monday, Tuesday, Thursday and Friday mornings. A general college assembly is held on Wednesday morning at which time either a

member of the faculty or a speaker from outside addresses the student body. Religious services are held every Sunday during term time and all students are urged to attend these or the services of the village church.

There is a Young Men's and also a Young Women's Christian Association, each under the management of the students themselves. The religious activities of the students are under the direction of these organizations.

Social Life

The supervision of the social life of the college is entrusted to a committee of the faculty. This committee has general oversight of the social relations of the students, of social gatherings, of the dormitories, and of the rooming of students outside of the university buildings.

Few formal regulations are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The faculty will take cognizance of unbecoming conduct, and will impose appropriate penalties therefor.

Two receptions to students and faculty are held during the year, one by the Christian Associations immediately after the opening of College, the other by the president during Commencement Week. These, together with class, lyceum and Christian Association parties provide opportunity for relaxation and habituation to social usages.

Residence Halls

THE LADIES HALL. All women students are required to reside in this hall, unless permitted, for reasons of weight, to room in approved homes in the village. Applications for such permission must be made to the chairman of the Student Life Committee.

Large, furnished rooms suitable for one or two students offer accommodations for about sixty women. The university dining hall, reception rooms and the matron's rooms occupy the lower floors. The boarding department is run on the co-operative or club plan.

"House Government" is administered by the students subject to the general regulations of the College Women's Organization and to the supervision of the Student Life Committee. The matron is official chaperon of the house, provides for the comfort and welfare of the residents, and performs in general the duties of a house mother.

BURDICK HALL, the men's dormitory, is in charge of an official head appointed by the president, who has the custody of the university property there and supervision over the conduct of those in the building. A co-operative boarding club for men is run in connection with this hall.

Student Organizations

ATHLETIC ASSOCIATION. All inter-collegiate sports are in immediate charge of the athletic association, which has foot-ball, base-ball and basket-ball teams. Tennis courts are available for the use of students and an annual tournament is maintained. Athletics, however, are not carried to extremes. The committee on athletics from the faculty, and the graduate manager exercise general supervision, for it is the purpose of the university to give due attention to the physical welfare of its students, and at the same time keep the physical in proper relation to the intellectual and moral development.

An interscholastic meet under the general supervision of the Athletic Association is held on the university athletic field each spring, in which the high schools and academies of the surrounding country are invited to compete for a trophy offered by the university.

THE STUDENT SENATE is the executive body of student self government. It consists of seven members elected by the students. The Senate enforces Campus Rules and other student regulations, supervises class contests and decides all questions arising therefrom. It is the aim of the Senate to be representative of student sentiment and to co-operate with the faculty in matters of student welfare.

There are various other student organizations the most prominent of which are the Young Men's and the Young Women's Christian Associations to which allusion has been made under "Religious Life" p. 16.

College Year

The college year consists of three terms of about twelve weeks each. There is a vacation at the holidays of about two weeks; a week's recess near Easter and a summer vacation of about fourteen weeks.

Class Exercises

The class period is one hour in length; in laboratory work, however, the class period is two hours. There are no classes on Saturday or Sunday. Each student is expected to have at least sixteen hours per week, and may not register for more than seventeen with the following exceptions: (1) If a student has no standing less than B in the preceding term he may register for eighteen hours. (2) Students who have a grade of A in more than half their work may register for more than eighteen hours upon the approval of the Faculty.

Freshmen who fail to pass in at least half of their work in a term are not eligible for registration the next term. Sophomores must pass at least two-thirds of their work, and Juniors, Seniors and Specials at least three-quarters to make them eligible for registration the next term.

Unit of Measure or Credit

One class period per week for one term, is taken as the unit of credit, and is called a term hour. In each college course one hundred and ninety-two term hours are required.

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F, failure.

Absences and Excuses

It is expected that no student will be absent from any class period except in case of necessity. Reasons for absence from classes are submitted to the Committee on Absences. All excuses are granted with the understanding that the work missed will be made up to the satisfaction of the instructor. Unexcused absences equal to the number of recitation periods per week will lower the grade one letter, and in excess of twice that number will lower the grade to F (failure). Two tardinesses count as one absence.

Examinations

Final examinations are held at the close of each term in addition to occasional written tests during the term. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Registration

All students will register at the Dean's office on the first day of the college year; and students entering at the beginning of the second or third terms will register on the first day thereof. Any student not registering on the day set therefor will be charged a fee of two dollars for late registration.

College Fees

Matriculation (all new students. Effective Sept., 1920) ..	\$ 5 00
Graduation	10 00
Tuition, per term.....	30 00
Reading Room, per term.....	1 00
Athletics, per term.....	3 00
College Paper (Fiat Lux), per term.....	75

EXTRA FEES, per term, for the use of instruments, apparatus and laboratory materials:

Botany	\$ 4 00
Chemistry 1, 8	4 00
Chemistry 2, 3, 4, 6, 7	5 00
Chemistry 5	8 00
Entomology	2 00
Gymnasium (Freshmen, Sophomores)	1 00
Machine Shop	3 00
Physics 1	1 50
Physics 4.....	2 00
Physiology	2 00
Surveying	3 00
Woodshop	3 00
Zoology	4 00

MISCELLANEOUS FEES AND DEPOSITS:

Chemistry Breakage Deposit, Chemistry 1 and 8.....	2 00
Chemistry Breakage Deposit, Chemistry 2, 3, 4, 5, 6, 7..	5 00
Room Deposit (All students in College dormitories)....	5 00
Special Examinations, each	1 00
Late Registration (All students not registering on Registration days)	2 00

Students who register for more than seventeen hours will be charged three dollars for each additional hour.

Students taking fewer than eight hours will be charged three dollars for each hour.

Term bills for college fees will be issued on or before the fifteenth of October, January and April, and must be paid at the office of the Treasurer before the first of the following month. Failure to comply with this regulation renders the student liable to suspension.

Rooms and board including fuel can be obtained in private families from \$5.00 to \$6.00 per week. Board in clubs organized and managed by the students themselves varies from \$4.50 to \$6.00 per week according to the means and inclinations of the students.

Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$300.00; and by exercising care, upon \$350.00. An allowance of \$400.00 is comfortable and \$450.00 is liberal.

Board, \$4.50 to \$6.00 per week.....	\$162 00 to \$216 00
Rooms	40 00 to 72 00
Laundry	15 00 to 20 00
Books	10 00 to 25 00
Class dues, etc.....	3 00 to 12 00
College tuition, incidentals and extras.....	90 00 to 105 00
Total for year.....	\$320 00 to \$450 00

Self-Support

Many of the graduates of the college have been persons of very limited means who worked their way through college. While the college cannot guarantee work to all applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses. Students should distinctly understand that when they attempt entire self-support they may find it necessary to lengthen their term of study.

Special Students

In special cases students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted, provided they produce satisfactory evidence that they are prepared to undertake

the study of such subjects with advantage. The faculty, however, urges all such persons seriously to consider the desirability of qualifying for one of the regular courses.

Pre-Medical and Combination Courses

A pre-medical and combination college and medical course may be obtained by completing the first three years of either the classical or scientific course in Alfred, electing as a part of the work, the particular subjects required for entrance to the study of medicine, and completing in addition a medical course.

The Yale School of Medicine requires the following specific subjects to be included in the pre-medical course; general physics, laboratory physics or physical chemistry, general inorganic chemistry, organic chemistry, analytical chemistry, general biology, elementary psychology, and a reading knowledge of German. Yale accepts Alfred's certificate for the completion of the pre-medical course.

This combination course has been arranged for the purpose of giving the student the advantage of a first class college and medical course and shortening the term of study from eight to seven years.

Students who contemplate the pre-medical and combination courses should report the fact to the registrar upon entrance to college or as soon thereafter as possible.

Admission

Candidates for admission to the freshman class must be at least sixteen years of age and of good moral character. The particular requirements for entrance to college are explained below, and cover in each case not less than a four years' preparatory or high school course.

Preparatory work is estimated in "units." The "unit" represents a course of five recitations weekly throughout an academic year of the preparatory school. The New York State regents' "count" represents one-fifth of a unit. Fifteen "units" or an equivalent must be offered.

Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

Each student must be able to pass an examination upon ten books selected from the list prescribed by the college entrance associations. The following ten are recommended: Shakespeare's *Julius Caesar*, and *The Merchant of Venice*; *The Sir Roger de Coverly Papers*; Goldsmith's *The Deserted Village*; Scott's *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Irving's *Sketch Book*; Ruskin's *Sesame and Lilies*; Lowell's *The Vision of Sir Launfal*; Longfellow's *Courtship of Miles Standish*.

In addition to the above a thorough study of each of the works named below is required. The examination will be upon subject matter, form, and structure.

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; or Tennyson's *Idylls of the King*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Cæsar, four books of the *Gallic War*; Cicero, six orations; Vergil, six books of the *Æneid*, or equivalents: or four units from not more than three of the following: Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary Algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; Plane Geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, Botany, Physiology, Zoology, Physical Geography, Physics or Chemistry. Any one may be offered.

ELECTIVE—5 units in addition to the above subjects. These electives may be chosen from any of the courses of approved secondary schools including one unit of the standard English Bible Courses approved by the Council of Church Boards of Education.

Candidates for the A. B. degree must offer the minimum of two units of Latin in the foreign language requirement. Candidates for the S. B. degree may substitute one unit of science and one unit of advanced mathematics for two units of foreign language. Two units of foreign language offered must be of the same language.

Summary

English	3 units
Mathematics	2 units
Foreign Languages	4 units
Science	1 unit
Elective	5 units

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as they cover these requirements. (For description of subjects, see *Entrance Requirements*).

PRINCIPAL'S CERTIFICATE. Certificates are also received from principals of preparatory or high schools outside of New York state, provided such schools are known to the faculty for thoroughness of instruction. Such certificate must specify, in connection with each subject, the extent to which it has been pursued, by giving the text-book used, the method of instruction, the amount of time given to it, the date of the final examination, the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every detail. The college furnishes blank forms for such certificates upon application of principals of approved schools. Principals of preparatory schools who desire to have their students admitted on certificate are invited to correspond with the dean.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the day preceding registration day (Tuesday, September 28, 1920).

Conditioned Students

No student can enter the freshman class conditioned in more than one unit. This condition must be removed within one year.

Admission to Advanced Standing

Students from other colleges, having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character, including an honorable dismissal.

Courses of Study

The college offers two courses of study leading to baccalaureate degrees. Each course covers four years of work and includes one hundred and ninety-two term hours. The courses are as follows:

(a) The classical course, leading to the degree of Bachelor of Arts.

(b) The scientific course, leading to the degree of Bachelor of Science.

Required Studies in Both Courses

Numerals indicate the number of class exercises per week and term hour credits, except in physical training where two exercises per week count one credit.

Freshman Year		Sophomore Year	
English	3	English	2
*History or		Foreign Language	3
*Mathematics	3	Science	3
Foreign Language	3	Logic and Psychology	2
Science	3	Physical Training	1
Physical Training	1	Elective	5
Sociology and Ethics	1		
Elective	2		

Elective Studies

The studies of the junior and senior years are elective and may be chosen from any department of instruction subject to the following conditions:

Each student on entering college will be assigned to some member of the faculty who will act as his adviser until May 1 of the sophomore year. At that time the adviser will report to the faculty the student's choice of major and

*Mathematics or history may be omitted in the freshman year, but the omitted subject must be included in the electives of the sophomore year.

minor subjects. The professor in charge of the department in which the major is chosen will then become the student's adviser for the remainder of the course. Each student shall elect a major and a minor, subject to the approval of the faculty. A major consists of twenty-four term hours in addition to the required work. A minor consists of fifteen term hours in addition to the required work. A student choosing science or foreign language as a major must elect a subject in which he has done at least one year of preliminary college work. D is reckoned as a passing mark; but of the one hundred ninety-two hours required for graduation one hundred thirty-five hours of the work of each student must have a grade of at least C and his major work must have an average grade of B. The major and the minor shall be chosen from the following groups:

Groups

- I. English.
- II. German.
- III. Romance Languages.
- IV. Latin.
- V. Greek.
- VI. History and Political Science.
- VII. Philosophy and Education.
- VIII. Religious Education.
- IX. Mathematics.
- X. Industrial Mechanics.
- XI. Physics.
- XII. Chemistry.
- XIII. Biology and Geology.

(a) Students in the classical course will elect a major from Group I, II, III, IV, V, VI, VII, or VIII, and complete a total of at least 99 hours from these groups and a minimum of 36 hours from the remaining groups.

(b) Students in the scientific course will elect a major from Group IX, X, XI, XII, or XIII, and complete a total of at least 72 hours from these groups and a minimum of 63 hours from the preceding groups.

The minor shall be chosen from a group other than the one from which the major is elected.

Senior Thesis

Any senior may, not later than the first of November, elect to write a thesis in the department of his major subject upon the approval and under the direction of the head of such department. The thesis work may be done on the basis of three or five hours credit as agreed upon; and credit shall be given only when the work is accepted by the head of the department, and a type-written copy deposited with the university librarian. All thesis work shall be counted as part of the senior schedule for the third term.

Before completing thesis, seniors should consult the librarian regarding form, size, and title page of the final copy.

Bachelor's Degree

The bachelor's degree will be conferred upon students who satisfactorily complete one hundred and ninety-two term hours, as described above:

(a) *Bachelor of Arts* upon students in the classical course.

(b) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The master's degree may be conferred upon graduates having the bachelor's degree, whether of this college or of any other having equivalent courses, after one year's resident study. The candidate must elect, subject to the approval of the faculty, one major and two minor subjects in advanced courses. The major must represent eighteen term hours, and each minor, nine term hours. The candidate must pass a satisfactory examination in each subject, and must submit a thesis upon some theme chosen in the field of the major subject. The thesis must be the equivalent of nine hours' work, in addition to the eighteen hours required for the major subject. It must be approved by the professor of the department in which the major is chosen, and a type-written copy must be deposited in the university library not later than May 15.

Candidates will pay the regular tuition fee of \$90 per year and a graduation fee of \$10.

Honors

Honors are awarded at the end of the freshman, the sophomore, the junior and the senior years. The names of those to whom honors are awarded will be recorded on the records of the registrar, announced on commencement day, and printed in the annual catalogue. The faculty reserves the right to withhold any honor for cause.

In determining honors the following scale of values will be used: each hour at A=3, each hour at B=2, each hour at C=1, each hour at D=0, each hour at E= -1, each hour at F= -2.

Senior Honors

Three grades of honors are awarded to seniors, based on their grades for the entire college course, viz:—(a) Highest Honors, or *summa cum laude* to those having an average of 3. i. e. no grade less than A.

(b) High Honors, or *magna cum laude* to those having an average of 2.6 and no grade below C.

(c) Honors, or *cum laude* to those having an average of 2.2.

The senior class nominates, not later than the first of January, five of their number from whom one is chosen by the faculty to deliver an oration on Commencement day. It is expected that the senior thus chosen will give his time and attention outside of his class work to the preparation of this oration; two term hours credit is given for the same, and the student is known as the Class Orator.

Departmental Honors

Honors in the different departments of study are awarded to seniors under the following limitations:

1. The student must have pursued at least twelve hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of B or more in the studies pursued during the junior and the senior years.

3. Honors are voted by the faculty on recommendation of the professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Special Honors in Modern Languages

Juniors and seniors majoring in modern languages may become candidates for special honors in either German or French under the following conditions:

1. Application to become a candidate for these honors must be made to the head of the department not later than December 1, of the senior year.

2. The following courses (aggregating 46 hours, or their equivalents,) must be taken: (a) for special honors in German: History 2 and 3, and German 2b, 3, 4a, 4b, 4c, 5a, 6, and 6a; for special honors in French: History and French courses of like numbers and titles with the German.

3. Candidates must complete 4000 pages of reading—1000 in English and 1000 in German in addition to the 2000 in the works read in the above courses—and hand in written reports on the same.

4. At the end of the senior year candidates will take a special examination—to be composed, one-half of an oral and one-half of a written test—in lieu of the regular final examinations in the department of modern languages.

Freshman, Sophomore, and Junior Honors

One grade of honors is awarded to members of the freshman, sophomore, and junior classes who have an average of at least 2.2, based on the grades for the current year, and who at the time of the award have no entrance condition.

A silver cup, given by the Twentieth Century Club of the Alumni of the College, is awarded to that one of the two lower classes making the highest scholastic average during the year.

Departments of Instruction

[Alphabetically Arranged]

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "*two hours*," three exercises, "*three hours*," etc. Roman numerals signify that the course is limited to the one term named, I, II or III. Courses with year numerals following are given that year and alternate years; other courses are offered every year. Instructors reserve the right to vary from these announcements as circumstances may dictate.

AGRICULTURE AND DOMESTIC SCIENCE

The New York State School of Agriculture offers three courses in Agriculture designed to meet the needs of prospective high school principals, and others who wish to secure a general understanding of the science of agriculture.

It also offers two full year courses in Domestic Science; one in Foods and Cookery, and one in Sewing.

AGRICULTURE 1. — SOILS AND CROPS. A fundamental course dealing with the origin and properties of soil, physical analysis, tests for acidity, fertilizers, and crop rotation together with an intensive study of the cereal, forage, fibre and leguminous crops. *Three hours. I.*

AGRICULTURE 2. — ANIMAL HUSBANDRY AND DAIRYING. A course including a study of the breeds of farm animals, stock judging, breeding, feeding and general care. Practice is given in testing milk and cream by the Babcock test and in the operation of cream separators, and milking machines. *Three hours. II.*

AGRICULTURE 3. — POULTRY AND FRUIT GROWING. In this course the various breeds of poultry are studied from the utility standpoint, together with class work and practice in incubation, brooding, feeding, and general care; also in the grading and marketing of eggs and poultry. In the last half of this course the principles of fruit growing are considered including grafting, budding, pruning, spraying, and the harvesting and marketing of the crop. *Three hours. III.*

DOMESTIC SCIENCE 1.—FOODS AND COOKERY. A three term course covering in a brief way the principles of plain cooking; the classification of food materials according to the uses in the body, and the effect of heat on food nutrients as influenced by different methods of preparation. The conservation of food and especially the question of wheat and meat substitutes is thoroughly considered. The third term is devoted to a study of dietetics. *Two hours.*

DOMESTIC SCIENCE 2.—SEWING. In this course instruction is given in the drafting, cutting and fitting of garments, and in the use and alteration of commercial patterns in garment making. The conservation of textile fabrics; proportion, line, form, and color in dress are thoroughly considered. *Two hours.*

ART

College students may elect work in the courses in drawing, modeling, and design in the New York State School of Clay-working and Ceramics and obtain credit to the amount of fourteen term hours. The detailed description of courses will be found in the catalogue of the School of Ceramics.

HISTORY OF ART. Lectures and recitations illustrated with photographs and slides on the history of the arts and the appreciation of beauty in works of art. The beginnings of art. Egyptian, Greek and Roman art. The arts and crafts of the Middle Ages. The painting and sculpture of the Renaissance. Modern art. Reinach's History of Art Throughout the Ages is used as a text-book with supplementary reading and the keeping of notebooks. Lectures and recitations. *Two hours.* 1920-21.

ASTRONOMY

Professor W. A. Tiltworth

1. GENERAL ASTRONOMY. The principles of astronomy are considered as far as possible without mathematics. Especial attention is paid to the application of physical principles and laws to astronomical reasoning. The course is cultural rather than technical in its nature. Prerequisites, Physics 1 and Trigonometry. *Two hours.*

BIBLICAL LANGUAGES AND LITERATURE

Professor Whitford

The English Bible is studied from a literary and historical point of view. By means of these courses the student is helped to a practical knowledge of the book which has exercised the most sweeping influence upon the human race. Not more than two courses are given in any one term.

1. **LIFE OF CHRIST.** A critical study is made of the material presented in the four Gospels with a view to ascertaining the facts about Jesus and his sayings as set forth in the oldest sources. The student is encouraged to discriminate in regard to the value of our various sources of information. *Three hours. One term.*

2. **THE SOCIAL AND ETHICAL TEACHINGS OF JESUS.** With the Gospels as a basis, the form, methods, and sources of Jesus' teachings are considered. The particular teachings that he made prominent, especially those concerning conduct and relations with fellowmen, are carefully noted. *Three hours. One term.*

3. **THE APOSTOLIC AGE.** The growth of the kingdom of God in the period immediately following the resurrection of Jesus the Christ is studied from the narrative of the book of Acts, and from the letters of the early apostolic missionaries. Light on the interpretation of the Epistles is sought from the circumstances and conditions under which they were written. *Three hours. One term.*

4. **THE ORIGIN AND RELIGIOUS TEACHINGS OF THE OLD TESTAMENT BOOKS.** An effort is made to get at the true meaning of the various books by considering them in connection with the situations that called them into being. The unfolding of religious ideals is traced. *Three hours. One term.*

5. **WISDOM LITERATURE.** The wisdom books of the Old Testament are studied with special attention to literary features and to determine the ethical content of the words of the wise men. *Three hours. One term.*

6. **EARLY HEBREW HISTORY.** The earlier narratives of the prophetic writers of the Pentateuch are studied with an effort to understand their point of view, and the lessons that

they meant to teach. The period covered is from Creation to the death of Moses. The student is encouraged to make special investigation of various problems. *Three hours. One term.*

7. THE UNITED KINGDOM. This is a study of the golden age of Hebrew History, from the entrance into the promised land to the close of the reign of Solomon. The narratives of Judges, Samuel and Kings are considered with attention to the varying points of view of the writers. *Three hours. One term.*

8. WAR. A consideration of the Biblical passages that lie at the foundation of international relations. What is the justification of war? How is universal peace to be established? *Two hours. One term.*

9. BIBLICAL INTRODUCTION. An investigation concerning what the Bible is and how it is to be understood and interpreted. Literary, historical and textual problems are considered. *Three hours. One term.*

10. APOCALYPTIC. This course is an attempt to find the real meaning back of the fanciful figures of the Books of Daniel and Revelation which have been obscured by the still more fanciful interpretations of the past and of the present. *Three hours. One term.*

Courses 1 and 3, 2 and 4, 6 and 7, 9 and 10, may be combined and used as two hour courses running through the year, if a number of students prefer to take the work in this way.

For the study of the Old Testament in the original the following course is offered:

11. ELEMENTS OF HEBREW. The first eight chapters of the book of Genesis are read in connection with a study of the grammatical forms as they occur. Toward the end of the course select passages from the historical books are read at sight. The student is expected to attain a mastery of Hebrew proportionate to his mastery of Latin at the end of two and one-half years. *Four hours.*

For New Testament Greek see Greek 8 and 9.

For other courses connected with the Bible and Religion see Religious Education.

BIOLOGY AND GEOLOGY

A. Biology

Professor Bennehoff

Perhaps no location in the interior of the country has such an advantageous position for botanical research as Alfred. Its elevation affords mosses and lichens; the many swamps of the water-sheds in the hills teem with algæ, and are bordered with dense marginal growths of ferns and lycopodiums. The water-sheds supply a very wide range of the common plants. In addition, the college campus is ornamented with a large collection of trees and shrubs of various kinds.

The work in biology aims to give the student a first-hand knowledge of the different forms in which life expresses itself, by the direct study of organisms in the laboratory. This is supplemented by the study of standard literature, and by discussion in class. Attention is paid to the relation of organisms to each other, their adaptation to their mode of life, and the application of observations to general theories and laws.

Botany or Zoology should be taken in the Freshman and Sophomore years, and students majoring in this department should manage as far as possible to get Biology in these years.

1. BOTANY. I. Text (Coulter, Barnes and Cowles' College Botany, Vol. I, Part I.) Thallophyta are studied in the Laboratory under the Microscope, and in the Field. Note Books required. II. Bryophyta, Musci, Pteridophyta Spermatophyta are studied in a general way, and studies in plant Physiology are carried out as directed in Paynes' Experimental Botany. III. Collecting and classifying an Herbarium. Gray's New Manual of Botany. *Three hours the entire year.* 1919-20.

2. ZOOLOGY. I. Text (Galloway's Zoology) Laboratory and Field work two days a week, recitations one. Notebooks required. Dissection work on a specimen of each Phylum of Metazoa, Laboratory studies on the Protozoa.

II. Laboratory studies on Animal Life, Structural studies from the Museum, Library studies and Classification Practice. III. Field work and Ecology. Notebooks required. *Three hours.* 1920-21.

3. **PHYSIOLOGY.** (Martin's Human Body). A study of Human Anatomy, animal dissection. and Laboratory experimentation. Sanitation and Hygiene in their various aspects. This course is designed to give the student a practical course in the maintenance of health, and healthful surroundings. Physiology is the central theme of the course. *Three hours.*

4. **BIOLOGY.** (Abbott's Biology) The study of the fundamental activities of the cell, whether animal or plant. A general survey of Life. Mitosis, and its relation to sex, fertilization, and development. *Two hours. I.*

5. **GENETICS.** (Walter's Genetics). A study of the laws of Heredity. Text work is supplemented with Library work, in which line the Library is quite extensive. Course 4 prerequisite. *Two hours. II.*

6. **ORNITHOLOGY..** (Chapman's Hand Book of Birds.) Laboratory studies of birds, museum and library studies, lectures. In early spring the work is all in the field.

B. Geology

Professor Bennehoff

Alfred University offers superior advantages to the student of geology. The Allen Steinheim Museum is constructed of the representatives of every geological formation from the lowest Laurentian to the last Chemung, and yet no stone in the building has been moved more than two miles from the place in which the glaciers of the ice age left it. From these glacial moraines the student is able to gather valuable type collections, illustrating all the formations found between the north of Labrador and Allegany county. The palaeontological collection is very complete, containing many duplicate specimens and a carefully selected series of casts.

The work in geology is supplemented by illustrated lectures, supplied at considerable expense, and while attendance is required of the students of the geological courses, many others may attend who desire to avail themselves of the opportunity.

1. GEOLOGY. LeConte's Elements of Geology. Dynamic and structural geology are studied by means of lectures, library reading, and field work. *Two hours. I.*

2. ECONOMIC GEOLOGY. Economic Geology of the United States by H. Ries. A study of the formation and localities where deposits of minerals occur in the United States; coal oil, clays, cements, lime, salt, gypsum, fertilizers, and the various precious metallic ores are considered. This course may be substituted for course 3. Prerequisite, course 1. *Two hours. II.*

3. HISTORICAL GEOLOGY. Part III of LeConte's Elements of Geology. This is a continuation of course 1. The work of this course consists of assigned readings in the library and the collecting of one hundred specimens. Prerequisite, course 1. *Two hours. III.*

CHEMISTRY

Professor W. A. Titsworth.

Mrs. Bole

1. CHEMISTRY. A thorough course in the theory and principles of the science of chemistry, covering Alexander Smith's College Chemistry. It is supposed that students entering this course shall have had high school physics, and preferably high school chemistry. Lecture and recitations *two hours*, laboratory *one hour* (for pre-medical students, *two hours*). This course cannot be counted on a major in Chemistry.

2. QUALITATIVE ANALYSIS. The detailed separation of the metals, non-metals and acid radicals. The student is required to apply the theory learned in course 1 and to explain the reason for each reaction. The ionic theory, solubility product, law of concentration, hydrolysis, amphoteric hydroxides, etc., are studied and application made in the separations. A laboratory course consisting of four hours of laboratory work a week throughout the year, with one hour lecture. Required of major students. Text-book, Stieglitz, Vol. 1 and Noyes. Prerequisite, course 1 or its equivalent. *Three hours.*

3. QUANTITATIVE ANALYSIS. A laboratory and lecture course. The work embraces the principal methods of gravimetric, volumetric, colorimetric and electro-chemical an-

alysis, and the use of the reference works and the chemical journals. This course gives quantitative application of the laws which are studied qualitatively in course 2. Prerequisites, courses 1 and 2. *Three hours. I.*

4. TECHNICAL ANALYSIS. Lectures and laboratory work. The analysis of clays, carbonate rocks and brass is carried out in detail. The student is given the opportunity to compare different methods of analysis rather than to follow any specified method. Prerequisites, courses 1, 2 and 3. *Three hours. II, III.*

5. GAS AND FUEL ANALYSIS. Lecture and laboratory course. Five hours per week. The complete analysis of fuel, illuminating and natural gasses is carried out in the laboratory. The study of the various fuels is taken up and different samples are analyzed by the student. The student is taught to use the Orsat and Hemphill apparatus and the Parr Calorimeter. Prerequisites, courses 1, 2, 3, 4. *Five hours. III.*

6. PHYSICAL CHEMISTRY. Introduction to the concepts of physical chemistry. The first term is taken up with a detailed study of the qualitative laws governing gases, liquids, solids, and substances in solution. During the second term a study of the phase rule and electro-chemistry is taken up and a detailed study of the laws of chemical equilibrium and applications of the same are carried out. The third term is given over to laboratory work. Prerequisites, courses 1 and 2 and Calculus. (Calculus may be taken simultaneously with this course). *Three hours. 1918-19.*

7. ORGANIC CHEMISTRY. Two recitations or lectures and one two-hour laboratory period a week. During the first term the alephatic compounds are studied and the aromatic compounds the second term. The systematic study of the chemistry of the carbon compounds is taken up and many typical compounds are prepared in the laboratory. Required of major students. *Three hours. I, II.*

8. FOOD CHEMISTRY. Two lectures and one two hour laboratory period a week. The aim of this course is a study of the chemistry of every day life as applied in the home, especially in the preparation of foods. The course acquaints the student not only with the qualitative and quantitative

methods used in chemistry, but also with organic chemistry and bacteriology. This course can be of profit to those who may have to teach science in the secondary schools. Prerequisite, Chemistry 1. *Three hours. III.*

NOTE—Technical courses in Chemistry are elected in the State School of Ceramics and the State School of Agriculture.

COMMERCIAL STUDIES

Miss Phillips

The following commercial subjects are offered:

STENOGRAPHY. This course includes the principles of shorthand, practice in dictation, and actual office work. Pernin's Universal Phonography is used as a text-book. *Two hours.*

TYPEWRITING. A practical course in the touch system conserving muscular and nervous energy. *Two hours.*

ENGLISH

Professor Paul E. Titsworth

1. ENGLISH COMPOSITION. Designed primarily to teach clear and correct expression. Themes and conferences. Reading of standard authors. Required of freshmen. *Three hours.* Prerequisite to all further courses in the department.

2. ARGUMENTATION AND DEBATE. Intended to develop the power of handling argumentative topics forcefully; frequent practice in brief drawing and less formal argument. *Two hours. 1920-1921.*

3a. SHORT STORY WRITING. A study of the technique of the short story. Reading of representative short stories; writing of original stories. *Two hours. 1919-1920.*

3b. JOURNALISM. This is an introductory course designed to acquaint the student with the field of newspaper work, to teach him facility in the use of written English, and to discover his possible fitness for professional journalism. *Two hours. 1919-1920.*

4. ADVANCED ENGLISH COMPOSITION. Daily themes. Open to students who have passed English 1. *Two hours.* 1920-1921.

5. ANGLO SAXON. A study of Anglo Saxon grammar. Translation of the selections in Bright's Anglo Saxon Reader and of one of the shorter Anglo Saxon poems. 1920-1921. (Students majoring in English are urged to take this course.) *Two hours.*

6. INTRODUCTION TO ENGLISH LITERATURE. A study of representative selections of English Literature from its beginning to the present time. Required of sophomores. *Two hours.*

7 and 8. EIGHTEENTH CENTURY LITERATURE. A study of the lives, works, and times of the chief writers of the Restoration period and of the eighteenth century. *Three hours.*

9 and 10. NINETEENTH CENTURY LITERATURE. A detailed study of the leading writers of prose and poetry in the nineteenth century, with briefer consideration of minor contemporaries. *Three hours.* 1920-1921.

11. MODERN DRAMA. A study of the aspects of modern drama. Reading of recent plays of English, French, German, Scandinavian, Russian, and American dramatists. Elective for students who have credit for a year's work in English Literature. *Two hours.* 1920-1921.

12. AMERICAN LITERATURE. A general survey of American Literature from its beginnings through the Nineteenth Century. *Three hours.*

13. ELIZABETHAN LITERATURE. A study of the work done by some of the chief historians, educationalists, sonneteers, and literary critics of the period. Special emphasis is given to the rise of the novel and to the development of the drama. *Two hours.* 1920-1921.

14. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. (See Greek 6). With the consent of the head of the department this course may count toward a major in English. *Two hours.* Professor Hart.

15. HISTORY OF ENGLISH LITERATURE. A general survey of English Literature from its beginnings up to the Restoration period. Required for major students in the senior year. *Two hours.* 1920-1921.

ETHICS

President Davis

1. THE FUNCTION OF COLLEGE EDUCATION. A survey of collegiate opportunities in the light of individual and social needs. A study will be made of the purpose and function of the various subjects offered by the college curriculum in their bearings upon personal development and upon vocations. Attention will be given to improving the students' methods of study and to other problems incident to his adjustment to college life. The course will include also a brief consideration of the ethical problems involved in present social and industrial questions and the students' relation to them. It is required of all Freshmen. *One hour.*

2. HISTORICAL AND THEORETICAL ETHICS. A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the nature, function, and authority of conscience, the origin and content of the moral law and related themes. *One hour.*

GERMAN

Mr. Mix *

Miss Thrall

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach German should take all the work offered in it.

German courses, Nos. 1 and 2 cannot be counted toward a major, nor No. 1 toward a minor.

1. BEGINNING GERMAN. The essentials of grammar; oral and written composition; pronunciation; conversation, and translation. No credit for a single term. *Three hours.*

*Absent on leave.

2. **ELEMENTARY GERMAN.** Rapid reading of German of medium difficulty; grammar; dictation; oral and written exercises, pronunciation and conversation. Prerequisite, German 1, or its equivalent. *Three hours.*

3. **SCIENTIFIC GERMAN.** Reading of scientific books: for those students who desire familiarity with scientific vocabulary.

4. **HISTORY OF GERMAN LITERATURE.** An introduction to the study of the history of German literature, particular emphasis being laid upon the two classic periods of the twelfth and eighteenth centuries. For juniors and seniors. *Three hours.*

6. **TEACHERS' COURSE.** Introduction to the history of the German language; discussion and demonstration of methods; practice teaching. *One hour. 1920-21.*

6a. **GERMAN PRONUNCIATION.** Much practice of German sounds, in class and out; detailed study of vocal organs and sound production; phonetics; orthœpics. *Two hours. I. 1920.*

6b. **ADVANCED GERMAN GRAMMAR AND COMPOSITION.** Study and application of the details of German grammar. Much oral and written composition. *Three hours. 1920-21.*

GREEK

Professor Hart *

Mr. Stearns

Professor Whitford

1. **BEGINNING GREEK.** Beginner's Greek Book; Xenophon (Anabasis); Prose Composition. This course may be elected during the last term by students who present one year of Greek at admission to College. It may not be counted toward a major nor toward a minor. *Four hours.*

2. **GREEK LITERATURE.** Homer (Iliad, Odyssey); Euripides (Medea). The finest portions of the Iliad will be read the first term; the second term will be devoted to reading the more interesting parts of the Odyssey, and the third term to the study of a tragedy by Euripides. Prerequisite, Greek 1 or its equivalent. *Three hours.*

*Absent on leave.

3. GREEK LITERATURE. Lysias (selected orations); Plato (Apology, Crito, and closing chapters of the Phædo); Sophocles (Antigone). The work of the first part of the year centers about the life, personality, and influence of Socrates. In the latter part of the year the development of poetry from Homer and the epic to Sophocles and the Drama is traced. Prerequisite, Greek 2, or three years of preparatory Greek. *Three hours.*

4. GREEK DRAMA. Æschylus (Prometheus Bound, Agamemnon); Sophocles (Œdipus Tyrannus); Euripides (Bacchæ); Aristophanes (Acharnians, Birds). Lectures are given on the Greek theatre and the development of the Greek drama and its relation to modern drama. *Three hours.* 1920-21.

5. GREEK LITERATURE. Selections from the Greek Historians; Demosthenes (On the Crown). 1919-20.

6. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. It should be valuable to those intending to teach English literature. Wright's Greek Literature will be used as a basis for the course. *Two hours.* 1919-20.

7. NEW TESTAMENT. GOSPEL ACCORDING TO MATTHEW. Portions of this gospel are read with attention to the point of view of this author. The deviations from classical usage in grammar and syntax are noted. *Two hours.*

8. NEW TESTAMENT. EPISTLE TO THE ROMANS. The first eleven chapters are read with attention to the line of Paul's argument. *Two hours.*

HISTORY AND POLITICAL SCIENCE

A. History

Professor Norwood

1. HISTORY OF WESTERN EUROPE, 376 A. D. TO ABOUT 1850. A general survey of the history of Christendom since the eve of the Middle Ages to the Great War. Emphasis will be placed on the life of the times and the conditions out of which feudalism, the crusades, the renaissance, the reformation, the French revolution, and the autocratic recreation.

Care will be taken to show the essential unity of European history. Lectures, text book, map-work, readings discussions and topic work. Required course for freshmen. No credit given for a single term. *Three hours.*

2. THE WORLD WAR, 1914-1919. In this course will be studied the political, diplomatic, economic, moral, and intellectual background of the war which will carry the story back beyond the middle of the last century; the outstanding events and situations of the conflict itself; and the immediate problems of reconstruction. Lectures, text-book, reading, discussions. *Two hours.* 1920-21.

3. BRITAIN AND GREATER BRITAIN SINCE 1485. The revival of the monarchy; the break with Rome; the Marian reaction; Elizabeth and national feeling; the contest with Spain; the puritans; king and parliament; the commonwealth; the restoration; and the revolution of 1688; William of Orange; the war of the Spanish Succession; the age of Walpole; the struggle for commercial and colonial supremacy; American independence; the industrial revolution; the French Revolution and the Napoleonic wars; parliamentary reform; the growth of democracy; social and industrial problems; growth of the imperial idea; the fiscal and constitutional crisis of 1909-1911; home rule, England and the Great War. Lectures, text-book, discussions. *Two hours.* 1919-20.

4. AMERICAN HISTORY TO 1860. European background; discovery and colonization; rivalry of French and English; colonial development; social and religious life; the critical period; adoption of the constitution; rise and fall of the federalist party; social, political, and constitutional development; westward expansion; the slavery question; causes of the Civil War. Prerequisite course 1. *Three hours.* 1919-20.

5. AMERICAN HISTORY SINCE 1860. A topical consideration of the larger problems of this strenuous period. A study of recent American problems—financial, monetary, industrial, political, diplomatic, colonial and constitutional—in their historical relations. Continues course 4; open to the same class of students and conducted in the same manner. A good knowledge of the course of events will be presupposed. Not open to lower-classmen. Lectures, text-book, readings and discussions. *Three hours.* 1920-21.

6. PRO-SEMINAR IN AMERICAN HISTORY. The object of this course is to give the student an introduction to the

rudiments of historical investigation. After preliminary lectures on the elements of historical criticism and bibliography, topics will be assigned for exhaustive investigations in some narrow field of recent American history. Open to qualified juniors and seniors. *Two hours. III. 1920-21.*

B. Political Science

1. AMERICAN POLITICS AND COMPARATIVE GOVERNMENT. In this course the mechanism of the American federal and state governments will be studied as far as time will permit, and comparisons made with the governments of England, France, Germany and Italy. Especial emphasis, however, will be placed on the actual working of the governments, and on current politics, with a view to leading students to take an intelligent interest in public affairs. Considerable newspaper and other current reading will be required. For juniors and seniors. *Two hours. I. II.*

2. CONSTITUTIONAL LAW. The work of this course consists of text-book study and a careful reading and discussion of a considerable number of selected cases appropriate to the field. Its chief object is to develop a clear, general understanding of the evolution and present status of the relation between the states and the federal government in our political system. *Two hours. II. 1919-20.*

3. INTERNATIONAL LAW. This course will include a brief survey of the history of International Law; the basis of law; rules governing international relations in peace and war; leading cases in the field; the contributions of the United States to the development of the law of nations; the Hague Conferences, and the recent changes in the law; the spirit of international relations; and questions growing out of the war. Text-book, readings, and discussions. For juniors and seniors. *Two hours. II. 1920-21.*

C. Economics

1. ECONOMICS. General introductory survey of the field of economics. The laws of production, distribution, exchange, and consumption are studied, together with a brief consideration of the problems of the science as they appear in modern industrial society. Toward the end of the second term some attention will be given to the place and work of Wall Street in our economic system. For juniors and seniors. *Three hours. I, II.*

2. **CORPORATIONS.** A study of the business corporation in its various aspects—political, financial, social, economic, etc. Several books will be used as texts in connection with the course, and their contents, discussed and criticised in class. Prerequisite course 1. *Three hours. II, III. 1920-21.*

3. **MONEY AND BANKING.** After a study of monetary theory, the theory of banking and the problems of money and banking will be taken up. Special emphasis will be placed on American monetary and banking experience and problems. The Federal Reserve Banking law will be considered toward the end of the term, and some attention will be given to the subject of foreign banking systems and foreign exchange. Prerequisite, course 1. *Three hours. III. 1919-20.*

INDUSTRIAL MECHANICS

Mr. Potter

The purpose of the founders of this department was to provide an opportunity for obtaining a ground work for successful professional study in any of the mechanic arts; architecture, civil, mechanical or electrical engineering. It is possible for a student graduating from the scientific course to enter the technical and professional schools with advanced standing, providing he elect his major and minor from the departments of Industrial Mechanics, Physics and Mathematics as well as choosing his free electives from these and related departments. It is desirable that such students should present for entrance at least one year's work in wood-working and one in drafting. Courses 9, 10, 11, and 12 aim to prepare students for teaching manual training in the public schools. It is expected that students electing to take these courses will take the prescribed work in Education, and courses in drawing, modeling, and design.

All courses except 3, 9, and 10 are laboratory, or double hour periods for one hour of credit.

1. **ELEMENTARY DRAFTING.** Open to all regular and special students of the college. Elementary principles, geometric problems, projections, etc. *Two hours.*

2. **ADVANCED DRAFTING.** Prerequisite, course 1 or its equivalent. This course aims to familiarize the student with the necessary steps in getting out complete sets of drawings for a machine. With this in view, freehand sketches, working drawings, tracings, and blueprints of details and assemblies are made. A study is also made of gears and cams. *Two hours.*

3. **DESCRIPTIVE GEOMETRY** is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows, and perspective, all developed according to mathematical principles. *Two hours.* 1920-1921.

4. **ARCHITECTURAL DRAFTING.** Prerequisites, courses 1 and 3. Detail drawings of the various constructions used in building are made. A complete set of drawings for some building of the student's design, including bill of materials and estimate, is required. 1919-1920.

5. **WOOD-WORKING.** This is an elementary course open to all students of the university. The purpose is to teach the students the intelligent use of the more common hand tools used in the shop, the care and the proper methods of sharpening them, and the correct method of making the principal joints used in carpentry and cabinet-making. As soon as each kind of joint is thoroughly understood, the student is taught its practical use in making a piece of furniture or apparatus. Special stress is placed on accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. *Two hours.*

6. **PATTERN-MAKING.** Prerequisites, courses 1 and 5, or their equivalent. This course aims to give the student the elements of practical wood pattern-making. Each article made is to be a practical pattern which may be successfully cast in any foundry. The work is made very technical so that the student may become acquainted with actual shop methods so far as it is possible in a school shop. Accuracy and first-class workmanship are essential for success in this course. *Two hours.*

7. **FORGING.** Prerequisites, courses 5 and 6, or their equivalent. A practical course in the drawing, welding, and

bending of iron for any purpose. The management of the fire and the forge is considered of first importance in this course. A large variety of articles in both iron and steel is made during the year, the work in steel coming the latter part of the year. Such tools are made from steel as cold chisels, lathe and planer tools, and special tools for special purposes. At frequent intervals during the year lectures and demonstrations are given on such subjects as the structure and manufacture of steel and iron, welding compounds, commercial shop methods, tempering, annealing, etc. *Two hours.*

8. MACHINE-SHOP PRACTICE. Prerequisites, courses 1 and 5. This course consists of exercises in chipping, filing, and fitting, lathe and shaper work, and operations on the drill press. Skill in manipulation is not sought so much as knowledge of methods and the possibilities and limitations of the various machines. Demonstrations and exercises are given in both iron and steel. Lectures are given on the manufacture and use of the different kinds of iron and steel. *Two hours.*

9. ELEMENTARY MANUAL TRAINING. Prerequisites, courses 1 and 5. This course aims to prepare the student to teach Manual Training in the elementary schools. It covers the last four years of the work. The course consists of planning of courses, including the drafting and working out of projects, papers, discussions, and recitations on the various phases of elementary school work. *Three hours. 1919-1920.*

10. HISTORY AND DEVELOPMENT OF MANUAL TRAINING. This is a study of the beginning of manual training in the time of Pestalozzi and Froebel, and its progress and development down to the present time. Lectures, recitations, and outside reading with papers and discussions. *Two hours. 1920-1921.*

11. WOODWORKING AND DRAFTING. Prerequisites, courses 1 and 5. This course aims to prepare students for teaching manual training in the high schools. It includes, besides the shop and drafting room, work especially planned for manual training teachers, the planning of courses, methods of teaching shop and drafting room work, a study of woods and their growth, the preparation of lumber, etc. *Two hours. 1919-1920.*

12. CABINET AND PATTERN MAKING. Prerequisite, course 11. This course takes up the work for the last two years of the high school, and inclines toward vocational education. The work includes wood turning, finishing for cabinet and pattern makers, design as applied to furniture, etc. Outside reading, with papers, discussions, demonstrations and practice teaching is required. *Two hours.* 1920-1921.

LATIN

Professor Hart *

Mr. Stearns

To train students to read Latin with ease is the chief aim of the instruction in the freshman year. In the later work larger interests prevail. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

Students majoring in Latin will find it to their advantage to take courses in Greek, Modern Languages, English and Philosophy. Those who expect to be recommended as teachers of Latin should take all the courses offered in the department and at least two years of Greek.

A. Latin Literature. Cicero (Selected orations); Vergil (*Æneid* I-VI). This course may not be counted toward a major nor toward a minor. Prerequisite, two years of Latin in the high school. *Four hours.*

1. LATIN LITERATURE. Selections from the Roman historians; Cicero (*De Senectute* or *De Amicitia*); Horace (*Odes* and *Epodes*). Collateral readings in Roman history and in the history of Latin literature are required. Prerequisite, Latin A, or its equivalent. *Three hours.*

2. LATIN LITERATURE. Horace (*Satires*); Juvenal (*Satires*); Pliny (selected letters); Martial (selected epigrams). The works of the authors named are read, not only with reference to their literary value, but also for the light which they shed on public and private life in ancient Rome. Prerequisite, Latin 1. 1919-20.

*Absent on leave.

3. **LATIN LITERATURE.** A survey of Latin Literature both prose and poetry. An especial study will be made of the elegy, particularly of the poetry of Tibullus, Propertius, and Ovid, and its relation to Alexandrine poetry. Prerequisite, Latin I. *Three hours.* 1920-21.

4. **LATIN LITERATURE.** Vergil (Eclogues, Georgics, and Æneid VII-XII); Plautus, Terence (selected comedies). Prerequisite, Latin I. *Three hours.* 1920-21.

5. **LATIN COMPOSITION.** This course is designed for freshmen and other students who have studied Latin writing only in the preparatory course. *Two hours.*

6. **THE PRIVATE LIFE OF THE ROMANS.** The purpose of this course is to give by lectures, assigned readings, and a study of ancient representations as complete a knowledge as possible of Roman private life. Each student is expected to make two reports on special topics. No knowledge of Latin is required for this course. *Two hours.* 1920-21.

7. **LATIN LITERATURE.** A course in rapid reading of Latin prose authors. Prerequisite, Latin I. *Two hours.*

LIBRARY ECONOMY

Professor Clawson

1. **GENERAL REFERENCE.** This course is designed to give the student an adequate working knowledge of the library and library usage. It consists of lectures on the proper usage of the library and reading room; on the use and care of books, newspapers and periodicals; on the classification and arrangement of books; on the card catalogue, with instruction in its use; on the scope and use of dictionaries, encyclopedias, periodical indexes, government documents and other works of reference, with practical exercises applying the principles and methods discussed. The preparation of reference lists on assigned topics, and an original bibliography will be required as a part of the course. Open to all students; especially recommended for freshmen. *One hour.* No credit given for single term.

MATHEMATICS

Dean Kenyon

The aim of the work offered in this department is to present the practical uses and applications of the subjects taught, and to develop the powers of the student to think clearly, to reason logically, and to express himself accurately and concisely.

1. ALGEBRA. Ratio, proportion, progressions, permutations, combinations, binomial theorem, logarithms, partial fractions and theory of equations. *Five hours. I.*

2. PLANE TRIGONOMETRY. The solution of the right triangle, the oblique triangle, and the regular polygon, as well as the development and discussion of the principal trigonometrical formulas, and the solution of original exercises. *Freshman year. Three hours. II.*

3. SOLID GEOMETRY. Lines and planes in space, polyhedrons, cylinders and cones, with numerous original exercises. *Freshman year. Two hours. II.*

4. ANALYTIC GEOMETRY. Loci, the straight line, circle, parabola, ellipse, hyperbola, and higher plane curves. *Five hours. III.*

5. SPHERICAL GEOMETRY AND TRIGONOMETRY. The sphere and the solution of right and oblique spherical triangles, the development of formulas, and various practical applications and original exercises. *Three hours. III.*

6. CALCULUS. Elements of calculus including differentiation, integration, maxima and minima, plane curves, areas, and applications to mechanics and astronomy. *Three hours.*

7. SURVEYING. Recitations supplemented by lectures and field practice with the compass, transit, level, and other surveying instruments. Attention is given to the best forms of keeping field notes of surveys, writing descriptions, plotting, computing, and proving work. *Two hours.*

PHILOSOPHY AND EDUCATION

A. Education

Professor Piotrowska

Miss Kelly

The courses in this department are arranged to meet in full the requirements of the State Department of Educa-

tion for the College Graduate Professional Certificate, which, without further examination, qualifies the holder to teach in any school of the state.

Courses 2, 3, 4 and 5, with their prerequisites, fulfill the minimum requirements for the teacher's certificate. It is desirable for the student who chooses teaching as a profession to elect liberally from the remaining courses.

1. CHILD STUDY. A study of the physical and mental development of normal childhood and adolescence, planned to meet the needs of those who are interested in the training of children, whether as teachers or otherwise. Prerequisite, Psychology 1. *Two hours. I.*

2. EDUCATIONAL PSYCHOLOGY. Application of the principles of general psychology to the educative process. A study will be made of instinctive tendencies and the learning process, together with the methods of measuring intelligence and achievement in school studies. Attention is given to the psychology of adolescence and of the more important high school subjects. Prerequisite, Psychology 1. *Two hours. II, III.*

3. HISTORY OF EDUCATION. A historical survey of the evolution of our present educational aims, methods, curricula, and school systems, aiming to develop a clear idea of the meaning and function of education. Prerequisite, Psychology 1. *Two hours.*

4. PRINCIPLES OF EDUCATION. An attempt to get an understanding of the fundamental factors involved in education and an intelligent interpretation of their significance, in order to discover the aims and principles which should guide and control educational practices in a society growing democratic. Prerequisites, Psychology 1 and Education 3. *Three hours. I.*

5. METHODS IN EDUCATION. (1) General methods in teaching, and the principles which should govern the social relationships of the school both in and out of the class-room. (2) An intensive study of the subject matter and methods of teaching the specific subjects which the student is planning to teach. The work in methods is paralleled by observation of public school teaching. Prerequisites, Psychology 1 and Education 3. *Three hours. II, III.*

6. **HIGH SCHOOL ADMINISTRATION.** A study, from the point of view of the principal and the teachers, of the problems of organization and management of the high school, considering (1) relation to community conditions, needs, and aims, (2) prospective life careers of the students, (3) the material equipment and support of the school, and (4) the co-operation of teaching and supervising staff and the controlling board. Open to Juniors and Seniors. *Three hours. III.*

7. **PRACTICE TEACHING.** The course consists of eight weeks consecutive teaching of a class in a local secondary school preceded by four weeks observation of the same class. The pupil teacher has the benefit of the class teacher's criticism and the general supervision of the Educational Department. Open only to seniors whose previous work in the department gives promise of professional success, and who have in addition the recommendation of the departments responsible for the subjects which they expect to teach. *Two hours credit. I, II, or III.*

8. **RELIGIOUS EDUCATION OF THE CHILD.** Offered by the department conjointly with President Davis, and Dean Main of the Theological Seminary. Open to juniors and seniors and interested members of the community such as parents and teachers, who may care to register for the course. In no sense sectarian. Its aim is to meet the problem of the early religious education of the child in such a way that there may be nothing to unlearn in his later contact with science and philosophy, thus avoiding the danger of a break in experience or a violent religious reconstruction. *Two hours. II.*

9. **SOCIAL PHASES OF EDUCATION.** An interpretation of the factors and processes of education in terms of their social meaning and function. This is a supplementary course to Sociology 4 and attempts to study the socializing effects of educational work among the immigrants, in the community centers, and in the industrial plants. Arrangements will be made for field work in the community activities. This will be accompanied by thorough theoretic representation of the problems and by the study of the current literature.

For other special "Teacher's Courses" see Biology 8 and 9, French 6 and German 6.

For the education of subnormal children, see Psychology 3b.

B. Philosophy

Miss Kelly

Psychology 1 is the prerequisite to the courses in Philosophy. Students are advised to consult the instructor before making elections.

1. HISTORY OF PHILOSOPHY.

(a) Ancient Philosophy. A survey of the rise and development of philosophy from its beginnings among the Greeks to the modern period. Attention will be given to the rise of science from philosophical speculations, and to the contributions of the ancients to later times in the light of historical perspective. *Three hours. I.*

(b) Modern Philosophy. A study of modern philosophical thought with an emphasis upon its relation to current literary, political, social, and religious movements. *Three hours. II, III.*

2. INTRODUCTION TO PHILOSOPHY. A critical and constructive consideration of the fundamental problems of philosophy: theory of knowledge, metaphysics, ethics and æsthetics. The purpose of the course is to aid the student in the formulation of a satisfactory theory of the world and of life. *Two hours.*

The Philosophical Club in connection with this department, which meets regularly during the college year, offers opportunity for the discussion of various phases of current philosophy.

C. Psychology

Miss Kelly

1. ELEMENTARY PSYCHOLOGY AND LOGIC. A study is made of human nature and behavior. A general survey is followed by a more detailed examination into the mental factors involved in reasoning, inductive and deductive, including the fallacies to which such reasoning is exposed. The student is encouraged to make constant application of his knowledge in the interpretation and control of his own life of thought, feeling and action, and in the critical estimation of the attitudes and inferences of others. Required of Sophomores. This course may not be counted toward a major. *Two hours.*

2. **APPLIED PSYCHOLOGY.** A survey is offered of the more important practical applications of psychology as thus far developed. The psychology of advertising, of industrial and personal efficiency find a place here. *Three hours for one term.*

3. **ABNORMAL PSYCHOLOGY—**

(a) **Mental Hygiene.** The nature of various neuroses and insanities will be considered with special reference to their prevention. The Freudian theory of the origin and influence of the subconscious finds a place here. Personal efficiency and mental hygiene will be stressed.

(b) **The Diagnosis and Treatment of Exceptional and Feeble-minded Children.** A study of the causes of mental defectiveness, methods of diagnosis, and the education of the subnormal child. Much emphasis is placed upon mental tests and opportunity provided for practice in the technique of their application. Neurotic tendencies, and the influences of injuries and diseases on the normal development of the child find a place here. A valuable course for the prospective teacher, physician, or social worker. Prerequisite, psychology 1. *Two hours. II, III.*

4. **EXPERIMENTAL PSYCHOLOGY.** This course is aimed primarily to familiarize the student with laboratory methods in general psychology and set forth representative results which have been obtained in the various fields. Individual research on a specially chosen problem may be carried on by each pupil during the latter half of the term.

(a) **Sense Processes.** A study will be made of the psychological laws of sense processes and the functioning of sense material in perception and judgment. Two hours recitation and one two-hour laboratory period per week. *Three hours.*

(b) **Memory and Thought Process.** A study of association, retention, recall, imagery, reaction time, practice, transfer of training, etc. Special attention will be given to experimental results in each field.

D. Sociology

Professor Plotrowska

2. **CONTEMPORARY SOCIAL PROBLEMS.** A study of sociological subjects of present interest, such as the modern

family, industry, poverty, crime, degeneracy, immigration, feminism, etc. Each student is required to prepare a paper based upon intensive study of some specific problem. Open to Sophomores. *Two hours.* 1919-20.

3. **PRINCIPLES OF SOCIOLOGY.** Deals with the nature and laws of human society, the primary social factors, social groupings, and the process of social evolution which has produced our present society. Course 2 should precede this if possible. *Two hours.* 1920-21.

4. **COMMUNITY RECREATION.** The place of recreation, (leisure-time interests and activities) in individual and community life. The relations of recreation with community welfare, family life, education, industry, and religion. Its relation to personal and community degeneracy and crime. Commercialized recreation and community provision for recreation. The community center and the playground movements. How some communities are meeting their recreation needs. Community programs for recreation, pageantry, music, art, field days, playgrounds, athletic contests and tournaments, etc. Sources of literature and materials. Open to sophomores but preferable for juniors and seniors. *Three hours. I.*

PHYSICAL TRAINING

Miss Danielson

Mr. Randolph

The aim of this department is to bring the body into a condition of health and strength and to develop self-reliance, co-ordination of muscular effort and grace and precision of movement.

1. **PHYSICAL TRAINING.** A course intended to interest students in physical training and to form in them right habits of exercise and hygienic living. Vital and physical examinations will be given and exercises prescribed. Course open to all college students. Freshman year, *Two hours.* Sophomore year, *Two hours.*

Military training is given to the men. Guns are provided for drill work.

For women the work is divided approximately as follows:

(a) **INDOOR WORK.** Lectures and readings in hygiene and the physiology of exercise; gymnasium work, including marching, calisthenics, exercises with light apparatus and games. From Thanksgiving to the spring recess.

(b) **OUTDOOR WORK.** Tennis and other games suited to the season and class. Fall and spring.

***PHYSICS**

Professor Waldo A. Titsworth

1a. **GENERAL PHYSICS.** A course in general physics for those who have had high school physics, although persons who have not had the high school preparation may be admitted to the class. The student should have studied algebra, plane geometry and plane trigonometry. Special emphasis is laid on the application of principles studied in this course to natural phenomena and the common occurrences of daily life. The lectures are illustrated by demonstrations as far as possible. It is expected that the laboratory course 1b will be taken in connection with this course. First term, mechanics and heat; second term, magnetism, electricity, light and sound. *Three hours.*

1b. **GENERAL PHYSICS LABORATORY.** This course is planned to accompany course 1a, but will be open to any who have had a lecture course in general college physics without the corresponding laboratory work. Typical experiments illustrating the principles of physics are performed by the student in a well equipped laboratory. Experiments will also be written up in the laboratory. About twenty-five experiments will be performed during the year. Two double laboratory periods a week. *Two hours.*

2a. **LIGHT.** An advanced course in this subject, following a standard text such as Edser's *Light for Students*. Open to those who have had Course 1. *Three hours. I.*

2b. **HEAT AND MAGNETISM.** A continuation of Course 2a and open to students who have had Course 1. *Three hours. II.*

2c. **ELECTRICITY.** An advanced course in the Theory and practical application of the principles of electricity. Open to students who have had Course 2b. *Three hours. III.*

* Those who take a major in Physics will count as required work, Solid Geometry and Plane Trigonometry. Calculus should be taken as early in the course as possible.

3. ELECTRICAL MEASUREMENTS. Laboratory course accompanying Physics 2c. *Four hours. III.* This course is required of major students.

4. MECHANICS AND APPLIED PHYSICS. This course is open to any student who has taken Calculus and Physics 1. It covers a thorough mathematical discussion of many physical problems. *Three hours.*

PUBLIC SPEAKING

1. ELEMENTARY PUBLIC SPEAKING. Principles of Voice and Gesture, with application of the same in the interpretation of literary and dramatic classics. Development of poise and individuality before an audience. Systematic analysis of thought processes as revealed through the spoken word. First principles of impersonation with practice in pantomime. Correction of vocal defects and personal mannerisms. A careful study of masterpieces from Shakespeare, Browning, Tennyson, etc. This course covers one college year. *Two hours.*

2. ADVANCED PUBLIC SPEAKING. Continued application of the principles of Voice and Gesture. Impersonation of scenes from plays. Interpretation of poetry, the oration, and the short story. Stage business for theatricals. Careful drill on selections of the student's choice. This course covers one college year. A Certificate of Proficiency may be issued upon the student's satisfactory completion of the two years' course. *Two hours.*

RELIGIOUS EDUCATION

Alfred Theological Seminary offers twelve courses to college students of which a minimum of twenty-four hours may constitute a major in Religious Education. Students majoring in this department should elect as collateral work physiology, educational psychology, child study, and public speaking. (For more extended description of the courses in this department see catalogue of Alfred Theological Seminary).

1. Biblical Introduction. *Three hours, one term.*
2. Old Testament History. *Three hours, one term.*

3. Social Ethics of the Old Testament. *Three hours, one term.*
4. New Testament History. *Three hours, one term.*
5. Social Ethics of the New Testament. *Three hours, one term.*
6. The Bible as Literature. *Three hours, one term.*
7. Priestly Elements in the Old Testament. *Three hours, two terms.*
8. The Life of Christ. *Three hours, one term.*
9. The Apostolic Age. *Three hours, one term.*
10. The Philosophy of Religion:—
 - A. Historical and Epistemological. *Three hours, one term.*
 - B. Psychological and Ethical. *Three hours, one term.*
11. Christian Theology. *Three hours, two terms.*
12. Principles of Religious Education. *Three hours, one term.*

ROMANCE LANGUAGES

Mr. Mix *

Miss Thrall

Mrs. Leminana

The modern languages are treated as living languages, to be studied in their spoken as well as their written forms. The courses offered aim to give (1) a reading knowledge of the foreign idiom; (2) linguistic training; (3) introduction to the foreign literature and life; and (4) preparation for teaching.

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach French should take all the work offered in it, and those looking forward to possible graduate study in the same should take *at least* freshman Latin.

French courses, Nos. 1 and 2 cannot be counted toward a major, nor No. 1 toward a minor.

*Absent on leave.

A. French

1. BEGINNING FRENCH. The essentials of grammar; oral and written composition; pronunciation, and translation. For juniors and seniors eight hours' credit only. No credit for a single term. *Three hours.*

2. ELEMENTARY FRENCH. Rapid reading of French of medium difficulty; grammar; dictation; and oral and written exercises. Conversation and pronunciation receive much stress. *Three hours.*

3. INTERMEDIATE FRENCH. Intensive and extensive reading of modern French prose and poetry; systematic vocabulary drill; word-formation; elementary etymology; grammar; oral and written composition; conversation and pronunciation. Prerequisite, French 2.

4. NINETEENTH CENTURY LITERATURE. Literary study of fiction, poetry, and drama of the nineteenth century. Word-study, grammar, oral and written composition, conversation and pronunciation. Not open to Freshmen. Prerequisites, French 2 and 3.

5a. HISTORY OF FRENCH LITERATURE. An introduction to the study of French literature. For juniors and seniors. 1920--21.

5b. MOLIERE. An intensive study of the life and works of Moliere. Lectures, assigned readings and reports. *Three hours. I. 1920--21.*

6. TEACHERS' COURSE. Introduction to the history of the French language; discussion and demonstration of methods; practice teaching. *One hour. 1920--21.*

6a. FRENCH PRONUNCIATION. Parallel to German 6a. *Two hours. II. 1921.*

B. Spanish

1. BEGINNING SPANISH. The essentials of grammar; oral and written composition; pronunciation, conversation and translation. No credit for single term. *Three hours.*

2. ELEMENTARY SPANISH. Essentials of grammar; oral and written composition; pronunciation, conversation and translation. Study of prominent authors. Outside reading. *Three hours.*

3. ADVANCED SPANISH COURSE. Readings from Spanish Classics with special emphasis upon pronunciation, conversation, composition and correspondence. *Three hours.*

Department of Music

Ray Winthrop Wingate, Director—Professor of Music

The Department of Music offers courses in the practical and theoretical study of music, and is designed to fit students for the profession as artists, theorists, teachers or critics.

The general plan is twofold:

First—To give an opportunity to those who desire to make a serious study of music with a view to a professional career.

Second—To offer instruction to those who wish to specialize in some branch for their own personal satisfaction.

Courses of Instruction

At the present time four branches are offered: piano, voice, organ, and public school music, beside an extended course in harmony, theory and history of music.

These courses lead to a certificate of merit, a diploma of graduation, and a post-graduate course diploma.

Piano

The application of selected studies for overcoming difficulties, the study of memorizing for analytical insight, the study of interpretation for artistic performance, and, in general, the gradual development by means of modern technique, are the methods used in this department for the training of the student. An intellectual understanding of a composition and the artistic interpretation will be the result of the application of these principles. *Two hours credit for one term's work.*

The courses in Piano are as follows:

PIANO 1. The New England Conservatory Course, grade 1, with 1st grade pieces.

PIANO 2. New England Conservatory Course, grade 2, and selections from the Etudes of Kohler, Lemoine, Duvernoy, Burgmuller and Brauer, together with 2d grade pieces.

PIANO 3. Selections from the Etudes of Berens, Le-Couppéy, Krause, Czerny and Jensen from the 2 Part Inventions of Bach, together with 3d grade pieces.

PIANO 4. Selections from the studies of Cramer and from the 3 Part Inventions of Bach. Scales, arpeggios, and double thirds in all keys. 4th grade pieces.

PIANO 5. Selected studies from Czerny op. 740 and the Gradus ad Parnassum of Clementi, together with 5th grade pieces.

PIANO 6. Selections from the Preludes of Chopin, Etudes of Moscheles, op. 70, Preludes and Fugues of Bach, Etudes of Chopin, of Liszt, and of other composers. One or more concertos selected from the works of Beethoven, Schumann, Chopin, Liszt, Tchaikowsky, Grieg and St. Saens. 6th grade pieces.

PIANO 7. (Post-graduate). The most difficult pianoforte music, comprising selections from the works of Beethoven, Schumann, Chopin and Liszt, and from the works of Claude Debussy, Vincent D'Indy and Gabriel Faure of the Modern French School, together with the most difficult pianoforte concertos.

Methods for producing refined tone, phrasing, and pedalling are taught in all of the piano courses.

Voice

Here the work demands a study of pure and resonant vocal sounds, to develop the capacity for producing such tones, to strengthen the voice and extend the range. The ear is a very great factor in the vocal world—thus it must also be trained. If started at an early age the great majority, contrary to the commonly accepted idea, could learn to sing and cultivate the art of singing. *One hour credit for one term's work.*

Preparatory Course

Fundamental principles of voice building. Position while singing, natural methods of breathing, vowel studies and tone placement.

Easy songs by composers of the old classical school. Studies and vocalizations by Garcia and Panofka.

Intermediate Course

Sight reading and ear training; vocalizations for enunciation and phrasing; studies from Panofka, Concone, and Garcia. Selected songs from the old Italian school.

Advanced Course

Phrasing and coloring of tone. Artistic interpretation; songs from the English and Italian composers of the modern school. Studies from Mazzoni, Lieber, Vaccai, etc.

Post-Graduate Course

For students who desire further knowledge of the art either as teacher or advanced soloist. Songs of both sacred and secular nature. Arias from the standard operas and oratorios. Songs from the modern composers of the French, German and Italian schools, special stress being laid on diction and interpretation.

Organ

The completion of the elementary grade of the piano course is required for admission to the organ course. This course is designed especially to provide a thorough and complete education as a choir master and organist.

It consists of the study of manuals, manual touch, easy registrations, pedal playing, compositions for church service and concert performance, choir training, etc. *One hour credit for one term's work.*

Harmony

1. Fundamental principles of harmony, origin and development of the major and minor scales and intervals; chords and their inversions, circle of major and relative minor keys; ear training, harmonizing melodies, modulation. *First term.*

2. Dominant seventh, ninth, eleventh and thirteenth chords, altered and dissonant chords, ear training and modulation, harmonizing, melodies, four part harmony, both major and minor. *Second term.*

3. Suspensions and retardations; changing and passing tones; modulations, key board modulation; pedal or organ point; original work in composition. *Third term.*

4. Vocal or open harmony; modulations, chords of five or more parts; practical application of harmonic principles in original work. Key board harmony. Original compositions. *Fourth term.*

The text-book used is that of George W. Chadwick, director of the New England Conservatory of Music. *Two hours credit for each term.*

Normal Courses

Normal courses in Pianoforte and Voice are offered to those students who desire to teach either Piano or Voice. The students are required to teach pupils in the class room after having received a Course of Preliminary lectures and demonstrations. All candidates for the Diploma of the University Music Department in the Piano or Voice Teachers' Course are required to take the full Normal Course which consists of three terms. *One hour credit for each term.*

Theory

This course begins with the acoustics, vibrations and their governing laws; notation, orchestral instruments, musical forms, clefs, scale formulas, tempo marks, abbreviations in general use in music; analyzing song forms, fugues, sonatas, overtures, etc. The text-book used is that of Louis C. Elson. *One hour credit for one term.*

History of Music

Origin and development of the music of ancient and oriental nations. History of the mass; oratorio, opera, symphony, sonata, overture; development of musical instruments; biographies of the great romantic, classic, and modern composers. *One hour credit for one term.*

Teacher's Course for Supervisors and Teachers of Public School Music

The purpose of teaching music in the public schools is three-fold.

First—To enable the largest possible number of children to participate correctly and tunefully in the singing.

Second—By this means to develop in them a love and taste for good music.

Third—To teach as many of the principles and as much of the practice of sight singing as is possible under the circumstances.

This course is the course used at the New England Conservatory of Music by Samuel W. Cole. It begins with the very first day in school, presents all the difficult problems through all the grades and gives the student a thorough understanding of all the conditions that may arise.

Each student will have direct application of all the steps used in the class room by teaching the class as if it were composed, not of fellow students, but children. The ground is thoroughly covered from the first rote song to high school choruses and cantatas. *Two hour credit for one term.*

All pupils who desire to graduate in The Public School Music course must have at least three terms of each of the following: Voice, Piano, Harmony, Theory, History of Music, School Music. *Two years study is required.*

The Department of Music receives each year a large number of inquiries for well equipped teachers in Public School Music. There are many positions as Supervisors of Music which demand well trained teachers. A large number of our recent graduates hold such positions.

A Certificate is given each student who satisfactorily completes this course. No student is allowed a recommendation to supervise and teach public school music without this certificate. In the majority of cases no examination is required of supervisors of music who are recommended by the Director of Music, to teach music in the public schools. The demand for teachers and supervisors is greater than the number that graduate. *Ten hours of observation in music classes is required.*

Solfeggio

This course consists of a thorough drill in sight singing and sight reading. Its aim is not only for one to be able to participate in musical composition at sight but to be able

to read at sight, thus enabling one to follow another who is singing both tunefully and correctly. Solfeggio consists of exercises for the voice according to the rules of solfaing. Ear training is a very important factor in Solfeggio, thus this course includes both ear training and sight singing. Pupils are trained to write, in correct notation, musical phrases which are played or sung to them, beginning with the simplest phrase and progressing until difficult melodies in either major or minor can be notated with ease. *One hour credit for one term.*

Chorus

The university chorus, a large body consisting primarily of students but excluding none of the townspeople who can pass the required examination, is the greatest musical organization of the school. The chief aim is to give at least one of the productions of the great masters, in the line of oratorios, opperettas, and cantatas. The chorus consists of over one hundred voices. This year the chorus will present the famous Oratorio, "The Creation" by Hadyn. *One hour credit per year.* A small fee will be charged. The chorus presented the "Holy City" by Gaul twice in 1913, the "Wreck of The Hesperus" by Anderton and "Queen Esther" by Bradbury in 1914; Sullivan's "Prodigal Son," in 1915; "Paul Revere's Ride" by Busch in 1916; Old and Modern Glee in 1917; Operetta "Bo'sn's Bride" by Inch and Rhys-Herbert, 1918; Operetta "Bulbul" by Rhys-Herbert, 1919.

Glee Club

The College Glee Club is composed of sixteen male voices chosen by competition. Trips have been made by the club to New York City, New Jersey and up-state cities of Buffalo, Rochester and smaller towns. The plans are under way for a trip this year to New York City, New Jersey and nearby-towns and cities in the spring. Information concerning the Glee Club dates and terms may be obtained by writing the Director of Music. *Two hours credit for one year.*

Recitals

Throughout the year recitals are given by members of the faculty and advanced students to which the public are cordially invited. No admission is charged.

Recitals are given once a month by the students before an audience of friends and fellow students. These recitals are not exhibitions, but are intended to give the pupil experience in public performing.

The school year in this department consists of three terms of twelve weeks each. It is earnestly requested that students register at the beginning of each term, but special students may enter at any time for private instruction.

Lessons, regularly assigned, if missed, cannot be made up, unless on account of illness and then only upon application to the instructor. Thus lost lessons are a loss to the pupil. Unavoidable lost lessons must be made up before the next term begins.

No student will be registered for less than a term's work, (twelve lessons).

A thorough drill in stage deportment is given free to all registered students.

Students in the piano course before receiving a diploma must have at least three terms of harmony, theory and history of music, solfeggio and chorus. In the vocal course at least, three terms each of piano, harmony, theory, solfeggio, chorus and history of music.

Any of the above courses may be taken by students of the college as elective courses, for which they receive the given credit up to an amount not to exceed twenty-one term hours.

If sufficient demand be made by the students for other instruction than above offered the department will endeavor to secure the required instructors.

All instruction in piano, voice, and organ is private; in all other subjects, in class.

Harmony, theory, public school music and history of music students recite twice a week.

Tuition

Per Term (Twelve Weeks)

Preparatory Course—

Voice, one lesson per week.....	\$12 00
Piano, one lesson per week.....	12 00
Two lessons per week.....	24 00

Post Graduate Course—

Voice, one lesson per week.....	16 00
Piano, one lesson per week.....	16 00
Two lessons per week.....	32 00
Organ, one lesson per week.....	12 00
Harmony, two lessons per week.....	15 00
Theory, two lessons per week.....	15 00
Music History, two lessons per week.....	10 00
Public School Music, two lessons per week.....	15 00
Solfeggio and Ear Training, two lessons per week..	10 00
Normal Voice or piano.....	12 00

Tuition is payable strictly in advance, unless otherwise arranged, at the office of the college treasurer.

Needy students, found worthy, may receive special assistance and partial free scholarships from the Director of Music.

Students leaving or discontinuing lessons during the term time forfeit all payment, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term.

Degrees Conferred

1919

BACHELOR OF ARTS

Dorothy Belle Baxter	Mechanicsville
Wayland Harold Burdick	Hornell
Earl John Burnett	Hornell
Elizabeth Randolph Davis	Alfred
LeRoy Ernest Fess	Crittenden
Hazel Marie Humphreys	Corning
Gladys Gray Pidcock	White House, N. J.
Lelia Marie Spencer	Arcade
Dorothy Eliza Stevens (in absentia)	Port Leyden
Hazel Isabel Stillman Truman	Alfred
Hilda Baker Ward	German Valley, N. J.
Gertrude Lucy Wells	Friendship

BACHELOR OF SCIENCE

Vincent Axford	Brewster
Emmet Fritjof Hildebrand	Cornwall-on-Hudson
Ethel Anna Eleanora Larson	Portville
Clesson Orlando Poole	Batavia
Mary Elizabeth Wilson	Westwood, N. J.

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

George Eugene Crawford	Cameron Mills
Donald Hagar	Red Hook

BACHELOR OF SCIENCE IN APPLIED ART

Alice Annie Ayars	Alfred
Ruth Ella Canfield	Friendship
Mary Lucetta Hunting	Plainfield, N. J.
Harold Siegrist Nash	Buffalo

Honors

1919

SENIORS

High Honors

Hazel Marie Humphreys

Honors

Wayland Harold Burdick
Earl John Burnett

Harold Siegrist Nash
Gertrude Lucy Wells

Class Orator

Hazel Marie Humphreys

Department Honors

Wayland Harold Burdick
Earl John Burnett
Ruth Ella Canfield
Donald Hagar
Hazel Marie Humphreys
Harold Siegrist Nash
Lelia Marie Spencer
Gertrude Lucy Wells

History and Political Science
History and Political Science
Applied Art
Ceramic Engineering
Ancient Languages
Applied Art
English and in Philosophy
and Education
English

JUNIORS

Grace Louise Cross
Margaret Huldah Everson
George Dewey Ford
Helen Bishop Kies

Elizabeth Luceba Latimer
Elmer Stephens Mapes
William George Nichols
Marion Reed Roos

SOPHOMORES

Eloise Tacy Clarke
Winifred Greene
Leon Edwin Haynes

Emma Rosina Schroeder
Amey Doris VanHorn
Ada Margaret Walsh

FRESHMEN

Audrey Elvie Haynes

Frederick August Schroeder

The cup offered by the Twentieth Century Club to the one of the two lower classes making the highest scholastic average, has been won this year by the Sophomore class.

Register of Students

1919-1920

GRADUATES

Name	Residence	Course
Binns, Norah Winifred	Alfred	English
Wahl, Julia Agnes	Andover	English

SENIORS

Baxter, Jean Angelia	Mechanicville	Clas.
Blumenthal, George, Jr.	New York	*Eng.
Carter, Charles Milton	Almond	Sci.
Clark, John White	Wilcox, Pa.	Clas.
Collin, Louis Parsons	Red Hook	*Eng.
Cross, Grace Louise	Canisteo	Clas.
Cuglar, Lois Augusta	Messena	Clas.
Cullinan, John Francis	Silver Springs	Clas.
Earley, Muriel Stephens	Andover	Clas.
Everson, Margaret Huldah	Fort Plain	Clas.
Harrington, Henry Waldron	Oxford	*Eng.
Hurd, Kathryn Christine	Genesee, Pa.	Clas.
Jones, Sara Esther	Alfred	Clas.
Kenyon, Sherman Spicer	Westerly, R. I.	*Eng.
Kies, Helen Bishop	Bowling Green, Ky.	Clas.
King, Walter Francis	Alfred	Sci.
Langworthy, Catherine Elizabeth	Alfred Station	Clas.
Lanphere, Dorothy Iola	Little Genesee	Clas.
Latimer Elizabeth Luceba	Arkport	Clas.
Law, Hollice Edna	Ellicottville	Clas.
Lobaugh, Frank Earley	Ridgway, Pa.	*Eng.
McTighe, James Norbert	New York	Sci.
Mapes, Elmer Stephens	Canaseraga	Clas.
Monroe, Grayden Elwood	Alfred Station	Sci.
Nichols, William George	Bolivar	Sci.
Pollock, Alfred Lee	Argyle	Sci.
Randolph, Ruth Fitz	Great Kills	Clas.
Randolph, Winfield Wells Fitz	Alfred	Sci.
Reid, William Harold	Elmira	*Eng.
Roos, Marion Reed	Buffalo	Clas.
Sherwood, Robert Ford	Hornell	*Eng.
Smith, Harry Jason	South Dansville	Sci.
Straight, Edna Adaline	Almond	Sci.
Streeter, Beatrice	Bolivar	*Art.
Vossler, Gustave Adolph	Wellsville	Sci.

*Ceramics.

NOTE—(Clas., Classical course; Sci., scientific course; Eng., Ceramic Engineering; Art., Applied Art.)

JUNIORS

Name	Residence	Course
Ackerly, Mary Louisa	Cuba	*Art.
Allsworth, Charles Willis	Arcade	Sci.
Atz, Samuel David	Alfred	Sci.
Banghart, Margaret Gertrude	Glen Gardner, N. J.	Sci.
Barresi, Cewsme	Silver Creek	Sci.
Benson, Esther Irene	Medina	Clas.
Burdick, Tina Emily	Alfred Station	*Art.
Campbell, Marian Frances	Pleasantville, N. J.	Sci.
Clarke, Eloise Tacie	Andover	Clas.
Clarke, Welcome Errington	Friendship	Sci.
Clerke, Leah Madeline	Spring Valley	*Art.
Crofoot, Alfred Burdet	Shanghai, China	Sci.
Croxford, Hazel Wilhelmina	Cohoes	Clas.
Cullinan, James William	Silver Springs	*Eng.
Davis, Boothe Colwell, Jr.	Alfred	Sci.
Davis, Gladys Maralyn	Alfred	*Art.
Emerson, Isabel Spencer	Hornell	Clas.
Fassett, Bertha Izobele	Adams Center	Sci.
Ford, George Dewey	Hornell	*Eng.
Greene, Winifred	Alfred	Clas.
Haynes, Lucile Enid	Cuba	Clas.
Haynes, Leon Edwin	Cuba	Sci.
Hill, Helen Louise	Ashaway, R. I.	Clas.
Lown, Anna Elvira	Gerry	Sci.
Lyttle, Frobisher Theodore	Whiting, Ind.	*Art.
Mack, Isabella Darling	Yonkers	Clas.
Neuwiesinger, Margaret Sarah	Califon, N. J.	Sci.
Pike, Edward Richmond	Hornell	Clas.
Place, Thomas Maxson	Alfred	*Eng.
Plank, Ross Dewey	Hornell	*Eng.
Randolph, Wardner Titworth Fitz	Alfred	Sci.
Randolph, Sarah Fitz	Great Falls,	Clas.
Robison, David Vincent	Salamanca	*Eng.
Schroeder, Emma Rosina	Nanuet	*Art.
Stillman, Ruth Alberta	Alfred	Clas.
VanHorn, Amey Doris	Verona	Sci.
Walsh, Ada Margaret	New York	Clas.
Wilber, Doris Evelyn	Allegany	Clas.
Witter, Ray Charles	Warsaw	Sci.
Worden, Dean Maxson	Brookfield	Sci.

*Ceramics.

SOPHOMORES

Name	Residence	Course
Armstrong, Robert Hood	Alfred	*Eng.
Ayars, Elizabeth Dilks	Shiloh, N. J.	Clas.
Bassett, William Donald	Alfred	*Eng.
Beebe, Clifford Averill	Coudersport, Pa.	Clas.
Bowden, Florence Belle	Shiloh, N. J.	Clas.
Burdick, Donald Langworthy	Ashaway, R. I.	Sci.
Burdick, Lewis Remington	Alfred	Sci.
Claire, Elzora	Alfred Station	Clas.
Clark, Robert Fairchild	Hornell	*Eng.
Coffin, Leon Benjamin	Nunda	*Eng.
Crofoot, Anna	Shanghai, China	Clas.
Davis, Harold Lester	Leonardsville	Sci.
Davis, Theresa Sara	Shiloh, N. J.	Clas.
Dwight, Leon Clyde	DeRuyter	Sci.
Edwards, Howard Gurnsey	Harrison Valley, Pa.	*Eng.
Ells, Leon Elmer	Alfred	*Eng.
Faulstich, Mildred Charlotte	Oswego	Sci.
Ferry, Oliver Winfred	Almond	*Eng.
Glaspey, Margaret Bonham	Shiloh, N. J.	Clas.
Haggerty, Grace Alma	Humphrey,	Clas.
Haynes, Audrey Elvie	Cuba	Clas.
Hunt, Cynthia Martin	Chicago Heights, Ill.	*Art.
Husted, Saron M.	Woodhull	Sci.
Kadlebowski, Harry	Brooklyn	Clas.
Noble, Mildred Imogene	Cohocton	Sci.
Peck, James Clair	Hornell	*Eng.
Perry, Orval Lawrence	Bolivar	Sci.
Schroeder, Frederick August	Nanuet	Sci.
Stillman, Laura Marie	Alfred	*Art.
Walker, Thomas Christopher	Shinglehouse, Pa.	*Eng.
Whitford, Alfred West	Alfred	*Eng.

*Ceramics

FRESHMEN

Name	Residence	Course
†Ahern, Theodore James	Highlands, N. J.	*Eng.
Ashforth, Dorothy Isabel	Brooklyn	Clas.
Baldwin, Henry Clinton	Lakemont	*Eng.
Banks, Stanley Day	Horseheads	Sci.
Beebe, Marjorie Hanna	Alfred	Clas.
Bliss, Burton Thurston	Bolivar	Clas.
Board, James Wilbor	Buffalo	Sci.
*Boyd, Robert Alexander	Wellsville	*Eng.
†Burdick, Mark Roger	Nile	*Eng.
Campbell, Robert Morrell	Passaic, N. J.	*Eng.
Canfield, Gertrude Evangeline	Friendship	*Sci.
†Clark, Helen Berdena	Bradford, Vt.	Clas.
†Cole, Sandford Stoddard	Hornell	*Eng.
†Compton, Max Deforest	Friendship	*Eng.
Conroe, Irwin Alexander	Elizaville	Clas.
Cottrell, Beatrice	Plainfield, N. J.	Clas.
Crandall, Helena Mary	Alfred Station	Clas.
†Crandall, Marcus Alston	Ashaway, R. I.	Sci.
†Davidson, Daniel Sutherland	Cohoes	Sci.
†Davis, Ruth Victoria	Westerly, R. I.	Sci.
†Dougherty, Edmund Thomas	Millington, N. J.	Sci.
†Dougherty, Leon Augustine	Millington, N. J.	Sci.
•Eagle, Jacob Eugene	Friendship	*Eng.
†Emerson, Margaret Virginia	Alfred	Clas.
Ford, Nelle Hevener	Clarksburg, W. Va.	Clas.
Gamble, Hazel Virginia	Alfred	Clas.
Gorton, Vera Leslie	Honeoye, Pa.	Clas.
†Gould, Jessie Elizabeth	Alfred	*Art.
Greene, Gladys	Alfred	Clas.
Hayward, Ethel Mae	Bolivar	Clas.
†Holley, Kenneth Eugene	Elmira	*Eng.
†Holmes, Henry Maxon	Alfred	*Eng.
†Irish, Mary Elizabeth	Alfred	*Art.
Kershaw, Charlotte Louise	Silver Springs	Sci.
Klingensmith, Elma LaVerne	Kenmore	Sci.
Lake, Charles Clayton	Hornell	*Eng.
Lamphier, Hiram Ivan	Berlin	Sci.
Langworthy, Dorothy	Westerly, R. I.	Clas.
†Lanphere, Lloyd Nimrod	Ceres	Sci.
Larrabee, Martin Marcelle	Wellsville	*Eng.
Lowe, Vassar Weber	Belmont	Sci.

†Lyman, Robert Henry	Fillmore	Clas.
McMahon, John Francis	Cohoes	*Eng.
Merrill, Anna Abigail	Albany	*Art.
O'Brien, Julia Grace	Hillsdale, N. J.	Clas.
†Osgood, Edmund Orphling	Angelica	Sci.
Perkins, Esther Margaret	Rupert. Vt.	Clas.
Randolph, Janette Fitz	Alfred	Clas.
Randolph, Virginia Fitz	Great Kills	Clas.
Ransom, Inez Mary	Jamestown	Clas.
Sholtz, Raymond H.	Oneida	Clas.
†Slough, John Dayton	Wellsville	*Eng.
Smalley, Helen	Friendship	Clas.
†Smith, Leon Burdick	Alfred	*Eng.
†Stearns, George Frye	Portland. Me.	Sci.
Stryker, Henry Cornell	Bernardsville, N. J.	*Eng.
†Teal, Edward John	Orchard Park	Clas.
Thorn, Flora Ferris	Walden	Clas.
†Volk, Benjamin Maurice	Albany	Clas.
†Vossler, Fredericka Louise	Farmingdale, N. J.	Clas.
†Vossler, Mary Lucretia	Farmingdale, N. J.	Clas.
Witter, Robert Ellsworth	Warsaw	Sci.
†Conditioned		*Ceramics

SPECIALS

Name	Residence	Course
Cass, Valentino	New York	Science
Danielson, Ethel Viola	Jamestown	Economics
Felicetti, Marius Edward Victor	New York	Foreign Languages
Hinchcliff, Henry	Cohoes	Economics
Lewis, Clara Gertrude	Alfred	Chemistry, French
McIntyre, Donald McCallum	Perry	Foreign Language
Stamm, Charles Levi	West Reading. Pa.	Ceramics
Wood, Julia Daboll	Alfred	Ceramics
Worden, Marion Claire	Brookfield	Science

SUMMER SCHOOL STUDENTS, 1919

Name	Residence
Ackerman, Ethel M	Hornell
Backus, Mrs. Lulu Scott	Rochester
Baird, Iva	Pt. Huron, Mich.
Banks, Stanley Day	Horseheads
Binns, Elsie	Alfred
Boudreau, James Clayton	Pittsburgh, Pa.
Burt, Malcolm	Dalton
Carlsen, Ellen K.	Brooklyn
Caward, Mable Victoria	Prattsburg
Caward, Ruth Eunice	Prattsburgh
Champlin, Archie E.	Alfred
Clark, Cecile	Almond
Clark, Helen B.	Alfred
Clark, John White	Wilcox, Pa.
Compton, Max Deforest	Friendship
Cronin, Marion Louise	Wellsville
Davis, Jerome F.	Scottsville
Dawson, James Emmett	Andover
Deland, Dorothy Eastman	Fairport
DeWitt, Frances C.	Phillipsburg, N. J.
Edwards, Frances Lomas	Laurel Springs, N. J.
Ellis, Loula	Alfred
Ellwanger, Helen Crisswill	Rochester
Evans, Edith Vivian	Trudeau
Fenimore, Ida E.	Philadelphia
Fess, Gilbert Malcolm	Crittenden
Fisher, Anna M.	Ilion
Fosdick, Marion Lawrence	Fitchburg, Mass.
Fowler, Erna Karow	New York City
Fowler, Olive Pearl	Princeton, N. J.
Francis, Geraldine	Holmeson, N. J.
Freeman, Arline,	Hornell
Garber, Virginia Wright	Bryn Mawr, Pa.
Gilbert, Mary Elizabeth	Friendship
Handrich, Paul	Brooklyn
Harding, Addie	Alfred
Harrington, Henry W.	Oxford
Haynes, Enid Lucile	Cuba
Houghtaling, Hazel Dell	Woodhull
Jack, Esther	Canisteo
Kenwell, Henry N.	Olean
Kilbury, Gladys	Arkport
King, Walter	Alfred
Klingensmith, Elma La Verne	Kenmore
Lacy, Mattie Lee.	Denton, Texas
McAndrew, Edna	Andover
McIntire, Caroline E.	Burlington, N. J.
McIntire, H. Ruth	Burlington, N. J.
MacMinn, Ernest Alfred	Canisteo
McPhilmy, Myrtle F.	Port Leyden
Martin, Harriett E.	Spartansburg, Pa.
Monroe, Grayden Elwood	Alfred Station

Newlands, Alexander F.	Ottawa, Canada
Noble, Mildred Imogene	Cohocton
Norton, Gladys	Canisteo
Owen, Mizpah E.	Greenwood
Place, Tom Maxson	Alfred
Randolph, Janette Fitz	Alfred
Richtmyer, Isabel	Cameron Mills
Riggs, Hazel B.	Wellsville
Roche, Margaret A.	Brooklyn
Rogers, Mabel Titsworth	Daytona, Fla.
Schenkel, Esther Lois	Niagara Falls
Sheppard, Mark	Alfred
Sisson, Asa Rod	Alfred
Slawson, Anne L.	Canisteo
Smith, Marie L.	Brooklyn
Stewart, Winifred Lozier	Canisteo
Storms, Jessie E.	Allentown
Taylor, Elvie C.	Rushford
Tein, Ly	New York City
Thayer, Florence E.	Worcester, Mass.
Thomas, Flora	Brooklyn
Thompson, Mary E.	Washington, N. J.
Todd, Ruth	Hornell
Travis, Guy	Dalton
Watrous, Aida	Groton, Conn.
Wheelhouse, Lillian May	Jamestown
White, Margaret C.	Belmont
Wiley, Gertrude Evelyn	Hornell
Wiley, Alice Mary	Woodhull
Williams, Rosamond Louise	Canisteo
Wood, Marielle Ruth	Alfred
Young, Mary Etta	Ottawa, Canada

SUMMARY OF STUDENTS BY CLASSES

Seniors	35
Juniors	40
Sophomores	31
Freshmen	62
Specials	11
Total Registration in College....	179
Summer Session, 1919.....	84
	263
Less Duplicates	9
Total Registration.....	254

Gifts and Bequests

Colleges, the most fundamental and usually the most stable of modern institutions, are now in dire distress because of post war conditions. High costs and necessarily increased salaries enlarge operating expenses. Income from fixed endowments, frequently reduced by lower rates of interest, have now one-half their former purchasing power.

To meet this emergency and to provide for future growth and development, Alfred's trustees have adopted a forward looking million dollar program. It is proposed immediately to raise a quarter of a million dollars (\$250,000) of endowment to cover costs of increased salaries and other enlarged operating expenses, and to provide retiring allowances for members of the teaching staff under the provision of the Carnegie foundation.

To provide for the endowment of five professorships not now endowed, for a library fund, new scholarships and general purpose endowment, and to add four new buildings, three quarters of a million dollars (\$750,000) will be needed within the next five or ten years. These objects together constitute

Alfred's Million Dollar Program

The following are the sums for which subscriptions are now being made to Alfred University:

Endowment to provide retiring allowances.....	\$100,000
Endowment for increase of salaries.....	150,000
Endowment for the President's Chair.....	75,000
Endowment for four professorships now without endowment:	
English	\$50,000
Romance Languages	50,000
Chemistry	50,000
Biology	50,000—\$200,000
Endowment for Library Fund (purchase of books)....	50,000
Endowment for fifty new scholarships.....	50,000
Endowment for general purposes.....	50,000
Building and equipment:	
Heating and lighting plant.....	50,000
Gymnasium	50,000
Science Laboratory.....	100,000
Auditorium	100,000
Miscellaneous, improvement, and equipment..	25,000
Total	\$1,000,000

For further particulars, address

BOOTHE C. DAVIS, President,
Alfred, N. Y.

Forms for Bequests

1 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, to be safely invested, and called "The _____ General Endowment Fund;" the net income only to be used for the general expenses of the University.

2 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Forty thousand dollars, to be safely invested, and called "The _____ Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

3 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of One thousand dollars, to be safely invested, and called "The _____ Scholarship;" the net income only to be used for the payment of the term bill of some worthy and needy student, the surplus income, if any, to be at the disposal of the University.

4 I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, the income to be expended in the purchase of books for the Library.

5. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred New York, the sum of _____ dollars to be used for the construction, equipment and endowment of a _____ building.

The Alumni Association

The membership of this Association includes graduates and former students, members of the faculty and those who have received honorary degrees from the university. By recent action of the Association the members are classified in two groups, Regular members and Sustaining members. The Regular members pay an annual membership fee of one dollar, and the Sustaining members, an annual membership fee of five dollars.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their alma mater, as well as to promote the general welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the university, giving it the name of the KENYON-ALLEN ENDOWMENT FUND. This fund now amounts to twelve thousand dollars. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. Four-fifths of the five dollar fee paid by Sustaining members is turned over to this fund. The income of this fund is used to assist in the payment of the salary of the President of the university.

The Association frequently provides courses of lectures given by its own members for the benefit of the university.

The Association is represented on the board of trustees of the university by nine trustees, three of whom are elected each year for a term of three years.

The annual meeting of this Association is held on Wednesday of commencement week.

The Alumni Association of Alfred University

BOARD OF DIRECTORS

Judson G. Rosebush, A. M., '00, President	Appleton, Wis.
Dean Alpheus B. Kenyon, Sc. D., '74, Vice Pres.	Alfred
Prof. William C. Whitford, A. M., D. D., Secretary	Alfred
Prof. J. Nelson Norwood, A. M., Ph. D., '06, Treas.	Alfred
Orra S. Rogers, S. B., '94	Plainfield, N. J.
Mrs. Frederic P. Schoonmaker, '88	Bradford, Pa.
Hon. Leonard W. H. Gibbs, Ph. B., '98	Buffalo
Rev. William L. Burdick, Ph. B., D. D., '90	Alfred
Prof. Fred C. White, A. M., '95	New York
Marcus L. Clawson, M. D., '90	Plainfield, N. J.
John A. Lapp, LL. D., '06	Chicago, Ill.
Harry W. Prentice, A. B., D. D. S., '98	New York
William M. Dunn, S. B., '07	LeRoy

EXECUTIVE COMMITTEE

W. L. Burdick, Frank L. Greene, Ford S. Clarke,* and the Officers
ex-officio.

ENDOWMENT FUND COMMITTEE

Orra S. Rogers, Chas. P. Rogers, Marcus L. Clawson, and the Officers
ex-officio.

LECTURE COMMITTEE

Corliss F. Randolph, Boothe C. Davis, Asa F. Randolph

MEMBERSHIP COMMITTEE

L. W. H. Gibbs, Winfred L. Potter, Fred C. White

STATISTICAL SECRETARY

Ruth L. Phillips

LIBRARY DIRECTOR

Herbert G. Whipple

*Died August 23, 1919.

THE ALFRED ALUMNI ASSOCIATION OF NEW YORK CITY

Supervising Principal Holly W. Maxson, A. B. '97, 409 Thirteenth St., West New York, N. J., President.

Theodore G. Davis, Ph. M. '06, Plainfield, N. J., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF SYRACUSE

Winfred Potter, Ph. B., M. D., '00, 1603 S. Salina St., Syracuse, President.
S. B. Everts, A. B., '03, 940 Ackerman Avenue, Syracuse, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF BUFFALO

Principal J. Fred Whitford, ex-'04, Orchard Park, N. Y., President.
Howard Langworthy, ex-'98, Orchard Park, N. Y., Secretary.

THE ALFRED ALUMNI ASSOCIATION OF CHICAGO

Daniel C. Babcock, B. S., '03, 424 Seventh Avenue, LaGrange, Illinois, President.

Miss Helen A. Titsworth, Ph. B. '06, 6121 Greenwood Ave., Chicago, Ill. Secretary.

THE TWENTIETH CENTURY CLUB OF ALFRED UNIVERSITY

J. Nelson Norwood, Ph. B., Ph. D., '06, Alfred, N. Y., President.
Norah W. Binns, Ph. B., '12, Alfred, N. Y., Secretary-Treasurer.

Prizes and Medals

The Dr. Thomas World's Peace Prize Contest

Mrs. Vandelia Varnum Thomas, an alumna of Alfred University, has established in memory of her late husband an annual prize speaking contest to be known as The Dr. Thomas World's Peace Prize Contest. The first prize is \$50, the second \$25.

Rules Governing The Dr. Thomas World's Peace Prize Contest:

1. Open to Sophomores and Juniors (both sexes).
2. Oration not over fifteen minutes, better twelve, upon some subject related to the promotion and furtherance of peace.
3. First Test—leaving only six contestants.
Judges—President and four teachers chosen by himself, two of whom shall be women. This test is to be a private contest.
4. Final test in a public meeting known as the "World's Peace Prize Contest."
5. Three judges, one from another town, one shall be a woman.
6. These six contestants are pledged to have their papers published in some paper or magazine. As many more from the primary contestants' orations as are deemed worthy by the primary judges may be published.

Parts to be marked:

- | | |
|------------------------------|---------------|
| (1) Content..... | 50 per cent |
| (2) Literary value..... | 25 per cent |
| (3) Oratory—Enunciation..... | 10 |
| Grace or Poise..... | 10 |
| Effectiveness or | |
| Power to Move an | |
| Audience..... | 5—25 per cent |

The preliminary contest will occur February 20, and the final, March 17th.

The Tomlinson Medal

The Tomlinson medal for proficiency in Classical Philology was established in June, 1912, by Dr. Corliss Fitz Randolph of Newark, New Jersey, an alumnus and trustee of Alfred University, as a tribute to the memory of Edward Mulford Tomlinson, for many years William B. Maxson professor of the Greek Language and Literature at Alfred.

The general conditions for the award of this medal are as follows :

"All candidates for the medal shall have passed satisfactorily the usual entrance requirements in Latin and Greek (for the classical course), and, following that, shall have pursued the study of these subjects continuously throughout the entire four years of their college course."

The detailed requirements may be had by applying to the head of the department of classical languages.

Ceramic and Chemistry Medal

A medal will be awarded to that member of the Junior class who, during his Sophomore and Junior years, has made the highest average in all his subjects. Application for this medal must be made in writing to the Registrar before the end of the first term of his Junior year. The competition is open to those majoring in chemistry or ceramic engineering.

The Twentieth Century Club Cup

The Twentieth Century Club Cup is given by the Twentieth Century Club to the one of the two lower classes, Freshman or Sophomore, having the highest scholastic average.

University Loan Fund

The UNIVERSITY LOAN FUND was established in 1915 for the purpose of helping students who do not need gifts, but do need credit. This fund was founded with the idea that it should be a self-supporting benevolence. About half of the contributors so far have given their money outright and the other half have simply advanced certain sums with the understanding that they are to receive a moderate rate of interest and that the principal shall be returned if they should ever require it.

The managing committee in making a loan considers not only the needs of the student but his scholarship, and requires appropriate security for repayment.

Loans have been made in sums varying from ten dollars to one hundred dollars and for terms ranging from a few days to two years. The rate of interest upon the loans is six percent.

So far the Fund has paid an income at the rate of four percent per annum to the contributors accepting an income and probably will continue to pay at this rate. Here is an opportunity to invest money at a rate equal to that of a savings bank, and at the same time have it helping a worthy student. This is a self-supporting benevolence.

For further information in regard to this Fund and its administration see Library Bulletin No. 8 "Borrowing Money," which may be had upon application.

Summer School

The seventh session of the summer school at Alfred University will be held July 6 to August 17, 1920. Courses are to be given in methods of teaching in high school, in grammar grades, in rural schools, problems of the secondary school for principals and others interested, and subject matter courses in the following: biology, domestic science, drawing and design (public school), English (literature and composition), Greek literature in English translations, history, Latin, mathematics, modern languages (French, German, and Spanish) physical training, physics and pottery.

The summer session offers opportunity for those not quite prepared for college to make up their conditions before entering the Freshman class next September.

Special courses for rural and graded school teachers and teachers of physical training.

For catalogue and further information, address,

PAUL E. TITSWORTH, Ph. D.,
Director Summer School at Alfred University.

New York State School of Clay-Working and Ceramics

This school was established at Alfred University, by chapter 383, laws of the state of New York, 1900. The buildings are adjacent to the university campus. While a state institution, it is administered by the trustees of Alfred University. Its students profit by courses of study in the college classes and laboratories and by the university library.

The school is fully equipped with machinery and kilns for carrying out all descriptions of clay work. The art studio is provided with every facility for the study of free-hand and mechanical drawing, composition, and applied design. Tuition is free to residents of New York State.

Two courses are offered, each of four years' duration. The requirements for entrance are the same as to the college courses. The work in Ceramic Engineering comprises in addition to the usual subjects in science, the technology of clay working industries. The degree of Bachelor of Science in Ceramic Engineering is granted.

The course in Applied Art includes, besides certain college subjects, design, drawing, modeling and pottery production. The degree of Bachelor of Applied Art is granted.

A catalogue will be mailed upon application.

CHARLES F. BINNS, Director,
Alfred, N. Y.

New York State School of Agriculture

On May 6, 1908, Governor Hughes signed the bill that provided for the establishment of a State School of Agriculture at Alfred University.

The School is governed by a board of managers appointed by the Alfred University Trustees. The Commissioner of Agriculture, the Director of the State College of Agriculture, and a representative of the State Grange are ex-officio members of the board of managers.

The grounds upon which the administration buildings of the school are built join the university campus. Students who are properly qualified, may take part work in the agricultural school and in the high school or in the college under university regulations. The association of school students with the other Alfred students will promote breadth of view and wholesome school life.

The regular course of study consists of carefully outlined courses in the main branches of agriculture, namely: animal husbandry, dairy industry, farm crops, farm management, wood and forge work, and home economics. Well equipped laboratories, a specially selected faculty, a 230-acre modernly managed farm, an excellent herd of dairy cattle, and typical representatives of some of the principal breeds of horses, sheep, swine and poultry are available for class use.

Any student who is of good character, sixteen years old or more and has completed the work of the common school or its equivalent, is eligible for admission. To all students of the state of New York tuition is free.

Persons wishing further information may receive upon request a catalogue and circular describing the work of the school in detail. Apply to,

C. E. LADD, Director,
Alfred, N. Y.

THE EIGHTY-FOURTH COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, nineteen hundred and twenty. The exercises begin Saturday morning, June 12, and close Wednesday evening, June 16.

All former students of the university, whether graduates or not, and all other friends of the institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who changes his residence, will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased alumni, or any information that may help to make or keep the directory of the alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the university library.

On application to the Registrar the catalogue will be sent to young men and young women preparing for college or contemplating higher education.

Letters of inquiry may be addressed to The President of Alfred University, Alfred, N. Y.

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-1867
JONATHAN ALLEN, PH. D., D. D., LL. D.	1867-1892
ALPHEUS BURDICK KENYON, Sc. D. (Acting)	1892-1893
ARTHUR ELWIN MAIN, A. M., D. D., L. H. D.	1893-1895
BOOTHE COLWELL DAVIS, PH. D., D. D., LL. D.	1895-

Index

Absences	20	Kanakadea Hall.....	15
Admission	11, 24	Kenyon Memorial Hall..	12
On Certificate.....	26		
On Examination.....	26	Ladies Hall.....	15, 17
Advanced Standing.....	26	Latin	50
Agriculture	32, 89	Library	12
Allen Steinheim Museum	13	Library Economy.....	51
Alumni Association....	81, 82	Library Directors.....	6
Alumni Hall.....	16	Location	11
Art	33	Loans	86
Astronomy	33		
Athletic Association....	18	Machine Shop.....	15
Athletic Field.....	16	Manual Training.....	49
Athletics	18, 57	Master's Degree.....	29
		Material Equipment....	11
Babcock Hall.....	13	Mathematics	52
Bachelor's Degree.....	29	Medals	84
Bequests	79, 80	Museum	13
Biblical Languages....	34	Music Department.....	62
Biological Laboratory....	13		
Biology	36	Officers of Instruction..	7
Buildings	12	Officers of Administration	10
Burdick Hall.....	15, 18		
		Philosophy	55
Calendar	2	Physical Laboratories....	14
Campus	12	Physical Training.....	18, 57
Carpenter Shop.....	15	Physics	58
Chemical Laboratories...	13	Political Science.....	46
Chemistry	38	Pre-Medical Course.....	23
Class Exercises.....	19	Prizes	84
Christian Associations...	19	Psychology	55
Commercial Studies....	40	Public Speaking.....	59
Courses of Study.....	27		
Conditioned Students...	26	Reading Room.....	13
		Register of Students....	72
Degrees	29	Registration	20
Degrees Conferred.....	70	Regulations	17
Departments of Instruction	32	Religious Education....	59
Domestic Science.....	33	Religious Life.....	16
Drafting	47	Residence Halls.....	17
		Required Studies.....	27
Economics	46	Rogers Observatory.....	15
Education	53	Romance Languages....	60
Elective Studies.....	27	Rooms and Board.....	21
English	40		
Entrance Requirements..	24	Social Life.....	17
Ethics	42	Sociology	56
Examinations	20	Spanish	61
Excuses	20	Special Students.....	22
Expenses	21	State School of Agriculture	89
		State School of Ceramics	88
Faculty	7	Student Assistants.....	8
Fees	21	Student Organizations...	18
Forms for Bequests....	80	Student Senate.....	19
French	61	Summer School.....	81
General Information....	11	Terms	19
Geology	37	Thesis	29
German	42	Trustees	4
Gifts	79	Trustees Committees....	5
Glee Club.....	67	Tuition	21
Greek	43		
Groups	28	Unit of Credit.....	20
Gymnasium	16	University Loan Fund....	86
Heating Plant.....	16	Vacations	19
History	44		
Honors	30, 71	Wood-Working	48, 49
Industrial Mechanics...	14, 47		
Interscholastic Meet....	18		

28 H
20/21

UNIVERSITY PUBLICATIONS

EIGHTY-FIFTH YEAR, No. 2

ALFRED UNIVERSITY

Alfred College Catalogue

1920-1921

EIGHTY-FIFTH YEAR



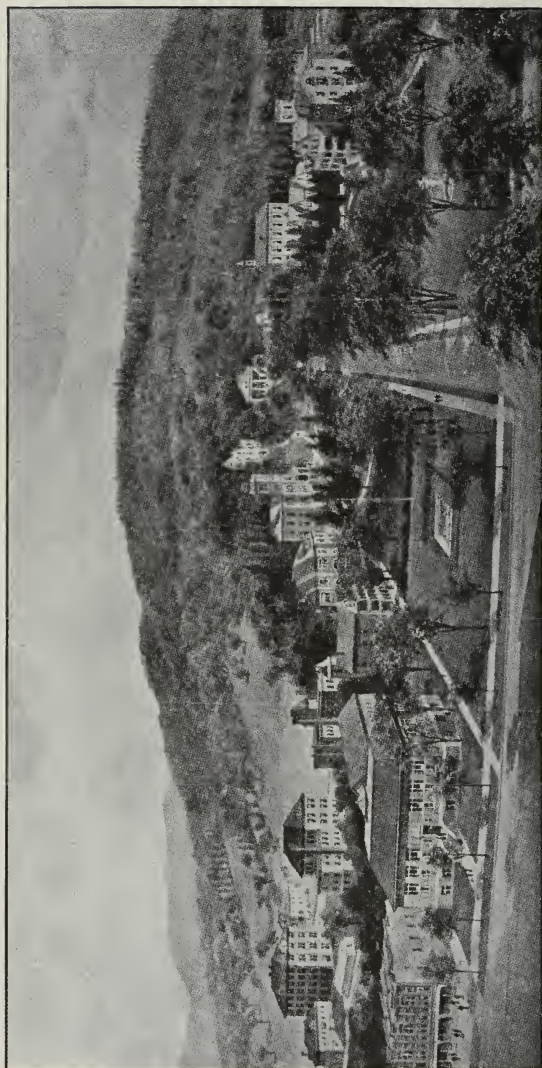
ANNOUNCEMENTS

1921--1922

*Published Monthly by Alfred University. Entered as second class matter
at Alfred, N. Y., under act of Congress, July 16, 1894
Accepted for mailing at special rate of Postage provided for in Section
1103, Act of Oct. 3, 1917, authorized on July 3, 1918*

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-1867
JONATHAN ALLEN, PH. D., D. D., LL. D.	1867-1892
ALPHEUS BURDICK KENYON, SC. D. (Acting)	1892-1893
ARTHUR ELWIN MAIN, A. M., D. D., L. H. D.	1893-1895
BOOTHE COLWELL DAVIS, PH. D., D. D., LL. D.	1895-



ALFRED UNIVERSITY

Alfred University

**Alfred College
Catalogue**

1920-1921

and

Announcements

1921-1922

College Calendar

First Term 1920--1921

		1920
Entrance Examinations	Tuesday	Sept. 28
Registration	Wednesday	Sept. 29
Instruction begins	Thursday	Sept. 30
Armistice Day	Thursday	Nov. 11
Thanksgiving Recess begins	Wednesday noon	Nov. 24
THANKSGIVING RECESS		
Instruction resumed	Monday noon	Nov. 29
Founders' Day	Sunday	Dec. 5
Term Examinations begin	Monday	Dec. 20
Term ends	Wednesday evening	Dec. 22
HOLIDAY RECESS		

Second Term

		1921
Instruction resumed	Wednesday morning	Jan. 5
Term Examinations begin	Monday	Mar. 21
Term ends	Wednesday evening	Mar. 23
SPRING RECESS		

Third Term

Instruction begins	Wednesday	Mar. 30
Memorial Day	Monday	May 30
Final Examinations begin	Monday	June 6
Final Examinations end	Friday	June 10
EIGHTY-FIFTH ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 11
Annual Concert	Saturday evening	June 11
Baccalaureate Sermon	Sunday evening	June 12
Alumni Association, Directors' meeting	Monday afternoon	June 13
Commencement Play	Monday evening	June 13
Class breakfasts and reunions	Tuesday morning	June 14
Annual meeting of Trustees	Tuesday morning	June 14
Annual meeting of Corporation	Tuesday afternoon	June 14
Class-day Exercises	Tuesday afternoon	June 14
Alumni Banquet	Tuesday evening	June 14
Commencement Exercises	Wednesday morning	June 15
Alumni Association, Public Session	Wednesday afternoon	June 15
President's Reception	Wednesday evening	June 15
SUMMER VACATION		

Summer Term 1921

Term begins	Tuesday	July 5
Term ends	Friday	Aug. 19

*Equivalent to one-half regular term

First Term 1921--1922

		1921
Entrance Examinations	Tuesday	Sept. 20
Registration	Wednesday	Sept. 21
Instruction begins	Thursday	Sept. 22
Armistice Day	Friday	Nov. 11
Thanksgiving Recess begins	Wednesday noon	Nov. 23

THANKSGIVING RECESS

Instruction resumed	Monday noon	Nov. 28
Founders' Day	Monday	Dec. 5
Term Examinations begin	Monday	Dec. 19
Term ends	Wednesday evening	Dec. 21

HOLIDAY RECESS

Second Term

		1922
Instruction resumed	Wednesday morning	Jan. 4
Term Examinations begin	Monday	Mar. 20
Term ends	Wednesday evening	Mar. 22

SPRING RECESS

Third Term

Instruction begins	Wednesday	Mar. 29
Memorial Day	Tuesday	May 30
Final Examinations begin	Monday	June 5
Final Examinations end	Friday	June 9

EIGHTY-SIXTH ANNIVERSARY

Annual Sermon before Christian Associations	Saturday morning	June 10
Commencement Play	Saturday evening	June 10
Baccalaureate Sermon	Sunday evening	June 11
Alumni Association, Directors' meeting	Monday afternoon	June 12
Annual Concert	Monday evening	June 12
Class breakfasts and reunions	Tuesday morning	June 13
Annual meeting of Trustees	Tuesday morning	June 13
Annual meeting of Corporation	Tuesday afternoon	June 13
Class-day Exercises	Tuesday afternoon	June 13
Alumni Banquet	Tuesday evening	June 13
Commencement Exercises	Wednesday morning	June 14
Alumni Association, Public Session	Wednesday afternoon	June 14
President's Reception	Wednesday evening	June 14

SUMMER VACATION

* Summer Term 1922

Term begins	Wednesday	July 5
Term ends	Friday	Aug. 18

*Equivalent to one-half regular term

Board of Trustees

Officers

VERNON A. BAGGS, President	Alfred
FRANK L. GREENE, Vice President	Alfred
CURTIS F. RANDOLPH, Treasurer	Alfred
D. SHERMAN BURDICK, Secretary	Alfred

Term expires in June 1921

Hon.	HORACE B. PACKER, LL. D.,	Wellsboro, Pa.
	IRA A. PLACE, A. B., LL. B.,	New York
Hon.	JOHN J. MERRILL, Ph. M., '84,	Alfred
Hon.	LEONARD W. H. GIBBS, Ph. B., '98,	Buffalo
	NATHAN E. LEWIS	Plainfield, N. J.
	VERNON A. BAGGS,	Alfred
	HOBART B. AYERS, M. E.	Pittsburgh, Pa.
	HERBERT G. WHIPPLE, A. B., '87,	New York
	ELIE E. FENNER	Alfred
	FRANK L. GREENE, A. M., Ped. D.,	Alfred
	C. LOOMIS ALLEN, Sc. D.,	Syracuse

Term expires in June 1922

Prof.	EDWIN H. LEWIS, Ph. D., LL. D., '87,	Chicago, Ill.
	JUDSON G. ROSEBUSH, A. M., '00,	Appleton, Wis.
	MARCUS L. CLAWSON, M. D., Ph. B., '90,	Plainfield, N. J.
Supt.	HENRY M. MAXSON, A. M., Ped. D.,	Plainfield, N. J.
Hon.	GEORGE L. BABCOCK,	Plainfield, N. J.
	CLARENCE W. SPICER,	Plainfield, N. J.
Pres.	BOOTHE COLWELL DAVIS, Ph. D., LL. D., '90,	Alfred
Hon.	WILLIAM J. TULLY, LL. D.,	New York
	CURTIS F. RANDOLPH	Alfred
	WILLIAM R. CLARKE,	New York
	CORLISS F. RANDOLPH, A. M., L. H. D., '88,	Newark, N. J.

Term expires in June 1923

Hon.	WILLIAM WALLACE BROWN, A. M., LL. D., '61,	Bradford, Pa.
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
Mrs.	WILLIAM C. BURDICK,	Alfred
Hon.	EDWARD W. HATCH, LL. D.,	New York
Prof.	ALPHEUS B. KENYON, Sc. D., '74,	Alfred
	B. SHEFFIELD BASSETT	Alfred
	JOHN A. LAPP, Ph. B., LL. D., '06,	Chicago, Ill.
	EDGAR H. COTTRELL,	New York
*Hon.	FRANK SULLIVAN SMITH, LL. D.,	Angelica
	WILLIAM C. HUBBARD, M. S.,	Plainfield, N. J.

Standing Committees of the Board

Executive

VERNON A. BAGGS, Chairman
D. SHERMAN BURDICK, Secretary

B. SHEFFIELD BASSETT	JOHN J. MERRILL
WILLIAM WALLACE BROWN	ELIE E. FENNER
BOOTHE COLWELL DAVIS	ORRA S. ROGERS
CURTIS F. RANDOLPH	HERBERT G. WHIPPLE
ALPHEUS B. KENYON	FRANK L. GREENE

Teaching Force

BOOTHE COLWELL DAVIS	HENRY M. MAXSON
----------------------	-----------------

CORLISS F. RANDOLPH

Buildings and Grounds

BOOTHE COLWELL DAVIS	ALPHEUS B. KENYON
JUDSON G. ROSEBUSH	CLARENCE W. SPICER

JOHN J. MERRILL

Supplies and Janitors

VERNON A. BAGGS	B. SHEFFIELD BASSETT	ALPHEUS B. KENYON
-----------------	----------------------	-------------------

Printing and Advertising

BOOTHE COLWELL DAVIS	FRANK L. GREENE	JOHN J. MERRILL
----------------------	-----------------	-----------------

Auditor and Attorney

HERBERT G. WHIPPLE

Investment

ORRA S. ROGERS, Chairman

NATHAN E. LEWIS	WILLIAM J.	D. SHERMAN BURDICK
ELIE E. FENNER	EDWARD W. HATCH	WILLIAM C. HUBBARD
	C. LOOMIS ALLEN	

Finance

ORRA S. ROGERS, Chairman

BOOTHE C. DAVIS	EDGAR H. COTTRELL	C. LOOMIS ALLEN
WILLIAM J. TULLY	WM. WALLACE BROWN	WILLIAM R. CLARKE
EDWARD W. HATCH	GEORGE L. BABCOCK	JUDSON G. ROSEBUSH
LEONARD W. H. GIBBS	WILLIAM C. HUBBARD	HORACE B. PACKER
JOHN A. LAPP	CURTIS F. RANDOLPH	D. SHERMAN BURDICK
CLARENCE W. SPICER	IRA A. PLACE	

Charles Potter Professorship of History and Political Science, Library Fund

BOOTHE C. DAVIS	CORTEZ R. CLAWSON	J. NELSON NORWOOD
-----------------	-------------------	-------------------

George B. Rogers Professorship of Industrial Mechanics, Mechanical Library and Apparatus Fund

FRANK L. GREENE	CLIFFORD M. POTTER	ALPHEUS B. KENYON
-----------------	--------------------	-------------------

Library Director Representing the Board of Trustees

CORLISS F. RANDOLPH

Ladies' Auxiliary Committee

Mrs. FRANK L. GREENE, Chairman
Mrs. JOHN J. MERRILL
Mrs. BOOTHE C. DAVIS
Mrs. WILLIAM C. BURDICK

Miss SELINDA I. GREENE
Mrs. D. SHERMAN BURDICK
Mrs. CHARLES STILLMAN
Mrs. VERNON A. BAGGS

Library Directors

BOOTHE COLWELL DAVIS, President (*ex-officio*)
CORTEZ R. CLAWSON, Librarian (*ex-officio*)
J. NELSON NORWOOD, Chas. Potter Professor (*ex-officio*)
CORLISS F. RANDOLPH, representing Trustees
PAUL E. TITSWORTH " Faculty
HERBERT G. WHIPPLE " Alumni

Officers of the University Corporation

For year ending June, 1921

ALPHEUS B. KENYON,
ARTHUR E. MAIN,
WILLIAM C. WHITFORD,

President
Vice President
Secretary

Officers of Instruction

BOOTHE COLWELL DAVIS, Ph. D., D. D., LL. D., President
(Alfred, Yale)
Professor of Ethics

PAUL EMERSON TITSWORTH, Ph. D., Dean
(Alfred, Ohio State, Wisconsin)
Professor of English

*ALPHEUS BURDICK KENYON, Sc. D.,
(Alfred, Cornell)
Dean and Rhode Island Professor of Mathematics, Emeritus

WILLIAM CALVIN WHITFORD, A. M., D. D.
(Colgate, Union Theological Seminary)
Professor of Biblical Languages and Literature

CORTEZ RANDOLPH CLAWSON, Litt. B., A. M., Librarian
(Alfred, Columbia, Chicago, Harvard)
Professor of Library Economy

JAMES DESETT BENNEHOFF, S. M.
(Alfred)
Professor of Biology and Geology

JOHN NELSON NORWOOD, A. M., Ph. D.
(Alfred, Wisconsin, Michigan, Cornell)
Charles Potter Professor of History and Political Science

† MABEL IRENE HART, A. M., Dean of Women
(Oberlin, Radcliffe, Columbia)
Wm. C. and Ida F. Kenyon Professor of Latin and
Wm. B. Maxson Professor of Greek

WALDO ALBERTI TITSWORTH, S. M., Registrar
(Rutgers, Alfred, Wisconsin)
Rhode Island Professor of Mathematics

RAY WINTHROP WINGATE, Director of Music
(New England Conservatory of Music)
Professor of Vocal Music

* Retired June 1920, on allowance from the Carnegie Foundation
for the Advancement of Teaching.

† Absent on leave.

MORTON EARL MIX, Ph. D.

(Alfred, Wisconsin)

Professor of Modern Languages

ARCHIE LEWIS IDE, Ph. D.

(Hamline, Washington, Pennsylvania)

Professor of Philosophy and Education

ALOYSIUS WESBECHER, B. S.

(Washington & Jefferson)

Professor of Physical Education and Coach of Athletics

JOSEPH SEIDLIN, S. M., A. M.

(Missouri, Cornell, Columbia)

Babcock Professor of Physics and

Associate Professor of Mathematics

ADA BECKER SEIDLIN

(Malkin Music School)

Professor of Pianoforte

JOHN BARKER STEARNS, A. M.

(Dartmouth, Princeton)

Assistant Professor of Classical Languages

MARGARET LANDWEHR, A. M.

(Wisconsin)

Assistant Professor of Modern Languages

ROSEMARY OWENS BOLE, A. M., Acting Dean of Women

(Hunter, Columbia)

Instructor in Chemistry

RUTH LORANA PHILLIPS, Ph. B.

(Alfred)

Instructor in Stenography and Typewriting

CLIFFORD MILLER POTTER, B. S.

(Alfred)

Instructor in Industrial Mechanics

ARLOTTA BASS MIX, A. M.

(Alfred, Wisconsin)

Instructor in English and Public Speaking

GLADYS BLEIMAN, A. M.

(Cornell, Columbia)

Instructor in Philosophy and Education

Officers of Administration

BOOTHE COLWELL DAVIS, President and University Chaplain
PAUL E. TITSWORTH, Dean
ROSEMARY O. BOLE, Acting Dean of Women
WALDO A. TITSWORTH, Registrar
WILLIAM C. WHITFORD, Secretary of Faculty
CURTIS F. RANDOLPH, Treasurer
CORTEZ R. CLAWSON, Librarian
JAMES D. BENNEHOFF, Curator of Allen Museum
JOHN BURTON ALLEN, M. D., Medical Examiner and Adviser
EVA B. MIDDAGH, Matron, Dormitory for Women
HARRY C. GREENE, Chief Janitor and Superintendent of Grounds
RUTH L. PHILLIPS, Secretary to the President
RUTH A. ROGERS, Secretary to the Treasurer

Student Assistants

English

Eloise T. Clarke

Clifford A. Beebe

Biology

Donald L. Burdick

History

Margaret G. Banghart

Modern Languages

Marius E. V. Felicetti

Isabella D. Mack

Chemistry

Samuel D. Atz

Leon E. Ellis

George D. Ford

Physics

A. Burdet Crofoot

Physical Training

Amey D. VanHorn

Music

Carlos C. Camenga

Benjamin M. Volk

Committees of the University Faculty

Athletics

G. A. Bole	W. A. Titsworth	J. D. Bennehoff
J. N. Norwood	Archie E. Champlin	

Extension

A. E. Champlin	J. B. Shaw	Archie L. Ide
	John B. Stearns	

Program

A. L. Ide	Marion L. Fosdick	John B. Stearns
	W. R. Cone	

Committees of the College Faculty

Degrees

P. E. Titsworth	C. F. Binns	W. A. Titsworth
-----------------	-------------	-----------------

Student Life

P. E. Titsworth	Rosemary O. Bole	J. N. Norwood
	Marion L. Fosdick	

Catalogue

W. C. Whitford	P. E. Titsworth	J. B. Stearns
	Archie L. Ide	

Absences

P. E. Titsworth	Rosemary O. Bole	W. A. Titsworth
-----------------	------------------	-----------------

Schedule

W. A. Titsworth	Clifford M. Potter	M. E. Mix
-----------------	--------------------	-----------

Assembly Addresses

J. N. Norwood	C. F. Binns
---------------	-------------

Student Loans

W. C. Whitford	P. E. Titsworth	G. A. Bole
----------------	-----------------	------------

Glee Club

J. N. Norwood	R. W. Wingate	C. R. Clawson
---------------	---------------	---------------

Counselors—Class of 1923

C. F. Binns	Arlotta B. Mix	Marion L. Fosdick
	J. D. Bennehoff	

Counselors—Class of 1924

A. L. Ide	M. E. Mix	Clara K. Nelson
	Gladys Bleiman	

Auditor For Student Organizations

W. C. Whitford

General Information

History

On December 5, 1836, a select school was organized in the village of Alfred. The educational interests manifested in this humble beginning grew and resulted in the organization of an academy with a suitable building and small equipment. To meet the needs of an increasing attendance additional teachers were secured, and in 1843 a charter was granted to "Alfred Academy." In 1846 three school buildings were erected on the present campus. In 1857 a university charter was granted.

The college was founded and is maintained in the interests of Christian education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration. Alfred College has from its beginning opened its doors to all worthy persons of either sex who possess the requisite literary qualifications and who present themselves for the purpose of doing earnest, faithful work. Persons who have habits detrimental to successful intellectual, moral, or physical development will not knowingly be admitted or retained.

Members of the faculty of Alfred College are eligible to participate in the retiring allowance plan of the Carnegie Foundation for the Advancement of Teaching.

Location

ALFRED UNIVERSITY is located at Alfred, Allegany County, New York, on the Allegheny division of the Erie Railroad. Alfred is pleasantly situated among rugged hills at an altitude of eighteen hundred feet above sea level, and affords many conditions conducive to health.

Material Equipment

THE COLLEGE CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, ornamented with a variety of trees and shrubs, forming an arboretum of beauty and value. Its lawns, walks, and drives are kept up by the income from a special endowment for that purpose.

There are eleven buildings on the campus: Alumni Hall, Kenyon Memorial Hall, Carnegie Library, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Ladies Hall, Burdick Hall, Kanakadea Hall, Gothic, and Central Heating Station. Adjacent to the campus are the buildings of the New York State School of Clay Working and Ceramics, and of the New York State School of Agriculture.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a brick building completed in 1882. It contains the college assembly room, drafting room, and the recitation rooms and offices of the departments of Classical and Modern Languages.

THE LIBRARY. The Carnegie library erected in 1912 is a beautiful building of brick and stone which contains in addition to the library, reading room, and seminar rooms, the offices of the President and the Treasurer.

The library contains over 34,000 volumes fully classified. It is open every college week day from 8:00 A. M. to 12 M. and from 1:30 to 5:30 P. M., also evenings from 7:30 to 9:30, and Saturday and Sunday afternoons from 3:00 to 5:00. Students are allowed free access to the shelves and are encouraged to diligent use of the books. The librarian is in constant attendance as reference librarian to give counsel and aid in any line of reading and research. All books, except works of reference, may be drawn for home use under prescribed regulations. The library is under the supervision of a board of directors consisting of the presi-

dent, the librarian, the professor of history ex-officio and one representative each from the board of trustees, the faculty and the alumni association.

A READING ROOM well equipped with newspapers and periodicals, is maintained in connection with the library.

THE ALLEN STEINHEIM MUSEUM stands upon the lower slope of Pine Hill, overlooking the campus. This structure, a memorial of President Allen and Mrs. Allen, built in the style of an old castle, is unique among the college buildings. In its construction many varieties of rock found in the vicinity of Alfred were used. This building is the repository for the college collections of minerals, stone implements, pottery, coins, shells, corals, birds, animals, entomological and botanical specimens, and general curios.

THE BIOLOGICAL LABORATORY. The lecture room and laboratory of biology are in the Allen Steinheim Museum. The museum collections are intended especially as illustrative material to be used in this department. The biological laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments and other facilities. There is a department library containing many of the reference and text books on the subjects of biology and geology.

THE BABCOCK HALL OF PHYSICS, named in memory of George H. Babcock, founder of the professorship of physics, is a brick building, constructed especially for the study of the physical sciences. The laboratories are supplemented by a lecture room and department offices. The departments of Chemistry and Industrial Mechanics also have rooms in the building, including laboratories, a lecture room, department libraries, a machine shop, and a wood shop.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. The laboratories are well equipped to carry out the work of the department. The analytical

laboratory is equipped with the apparatus necessary for blowpipe analysis, qualitative analysis, quantitative analysis, and organic chemistry. The department is provided with a special library for reference, containing the best authorities on the science of chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a variety of apparatus for demonstrating physical laws. Adjoining the lecture room in the south wing is the laboratory fitted up for experiments in optics.

In addition to the lecture and apparatus rooms, there is a laboratory well-equipped for performing experiments in general physics. Besides such usual equipment, the department has a number of special pieces of apparatus for illustrating physical laws.

Valuable pieces of apparatus are designed and made in the shops of the college. Additions to the apparatus and the department library are made annually as the income accrues from the endowment fund of the Babcock professorship of physics.

Extending from masts on Babcock Hall to one on the tower of Kenyon Memorial Hall is a one-hundred-foot, two-wire, stranded copper aerial which connects with a wireless equipment in Babcock Hall. Here will be found an audion detector and two one-step audion amplifiers together with several types of tuning coils and variable inductances and condensers. The university time is set by standard time received from the U. S. Naval Radio Station at Arlington, Va.

INDUSTRIAL MECHANICS. The George B. Rogers department of industrial mechanics was founded in 1867 by Mrs. Ann M. R. Lyon and named in memory of her deceased son. The department has a library containing books upon the various branches of mechanics including practical and theoretical works upon architecture, machine construction, and engineering. There is also apparatus for illustrating me-

chanical movements, intersections of surfaces and solids, warped surfaces, etc. Yearly additions are made to the library and apparatus of the department. Through the kindness of the Domestic Engineering Company of Dayton, Ohio, a demonstration Delco lighting plant has been installed in the basement of Babcock Hall. This outfit furnishes electric lights for the building.

THE CARPENTER SHOPS are located in the north and the south wings of the basement floor of Babcock Hall. The equipment includes wood lathe, circular saws, jig-saw, band-saw, wood-shaper, and work benches, with sets of hand tools for every branch of wood working. Power is furnished by a gasoline engine, recently installed.

THE MACHINE SHOP, occupying the ground floor of the west wing of the Hall of Physics, is provided with lathes, planers, drills, shaping and other power machines, also hand tools for metal working. Many of these machines were purchased from the United States Government since the close of the war. The machinery is driven by electric power. Many pieces of mechanical and scientific apparatus have been designed and constructed in the department. By the construction in the shops of some of the apparatus used in the department, the students gain practical as well as theoretical knowledge.

THE DRAFTING ROOM is located in the basement of Kenyon Memorial Hall, and is equipped with the necessary tables and instruments. The library of the department is in the office adjoining the drawing room.

THE ROGERS OBSERVATORY, named in memory of Professor William A. Rogers, contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus.

LADIES HALL is a large brick dormitory which contains rooms for about seventy-five women students, the rooms of the Young Women's Christian Association, and a dining hall.

BURDICK HALL, the dormitory for men, named after Mr. William C. Burdick, was given to the university by his widow, Mrs. Amanda M. Burdick, and his daughter, Miss Susan M. Burdick. This dormitory is a frame building, containing furnished rooms for about thirty students. In it are the headquarters of the Young Men's Christian Association, and a boarding club for men.

KANA KADEA HALL is a two story brick and wood building with terra cotta roof. It contains the lecture rooms and offices of the departments of English, History and Political Science, Mathematics, and Philosophy and Education, and the office of the Dean and the Registrar.

ALUMNI HALL. The old Chapel was made available for an alumni hall when, in 1915, all of the college preparatory and high school work was discontinued. This is a substantial frame building, fifty by one hundred feet, and contains a large assembly hall, which affords an excellent place for basketball.

GYMNASIUM. The gymnasium floor is in Alumni Hall. It is equipped with chest weights, dumb-bells, wands, Indian clubs, horizontal and parallel bars and mats. Dressing rooms with individual lockers are provided. The gymnasium is in charge of the physical director. The alumni and other friends of the university have started a fund known as the "Davis Gymnasium Fund" to provide a more commodious gymnasium.

HEATING PLANT. A central heating station equipped with 250 horse-power boilers and connected with the several buildings on the campus furnishes a modern and improved heating system.

ATHLETIC FIELD. The university athletic field embraces over three acres of level land. All local intercollegiate contests in football, baseball, and track athletics are held on this field. The field affords a running track (one-sixth of a mile). Appropriate apparatus for field sports is provided.

Religious Life

While the college is non-sectarian it is distinctly a Christian institution. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. Brief chapel exercises are held at ten o'clock Monday, Tuesday, Thursday and Friday mornings. A general college assembly is held on Wednesday morning at which time either a member of the faculty or a speaker from outside addresses the student body. Religious services are held every Sunday during term time and all students are urged to attend these or the services of the village church.

There is a Young Men's and also a Young Women's Christian Association, each under the management of the students themselves. The religious activities of the students are under the direction of these organizations.

Social Life

The supervision of the social life of the college is entrusted to a committee of the faculty. This committee has general oversight of the social relations of the students, of social gatherings, of the dormitories, and of the rooming of students outside of the university buildings.

Few formal regulations are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The faculty will take cognizance of unbecoming conduct, and will impose appropriate penalties therefor.

Two receptions to students and faculty are held during the year, one by the Christian Associations immediately after the opening of College, the other by the president during Commencement Week. These, together with class, lyceum and Christian Association parties provide opportunity for relaxation and habituation to social usages.

Residence Halls

THE LADIES HALL. All women students are required to reside in this hall, unless permitted for sufficient reason to room in approved homes in the village. Applications for such permission must be made to the chairman of the Student Life Committee.

Large, furnished rooms suitable for one or two students offer accommodations for about seventy-five women. The university dining hall, reception rooms, and the matron's rooms occupy the lower floors. The boarding department is run on the co-operative or club plan.

"House Government" is administered by the students subject to the general regulations of the College Women's Organization and to the supervision of the Student Life Committee. The matron is official chaperon of the house, provides for the comfort and welfare of the residents, and performs in general the duties of a house mother.

BURDICK HALL, the men's dormitory, is in charge of an official head appointed by the President, who has the custody of the university property there and supervision over the conduct of those in the building. A co-operative boarding club for men is run in connection with this hall.

Student Organizations

ATHLETIC ASSOCIATION. All inter-collegiate sports are in immediate charge of the athletic association, which has foot-ball, base-ball and basket-ball teams. Tennis courts are available for the use of students and an annual tournament is maintained. Athletics, however, are not carried to extremes. The committee on athletics from the faculty, and the graduate manager exercise general supervision, for it is the purpose of the university to give due attention to the physical welfare of its students, and at the same time keep the physical in proper relation to the intellectual and moral development.

An interscholastic meet under the general supervision of the Athletic Association is held on the university athletic field each spring, in which the high schools and academies of the surrounding country are invited to compete for a trophy offered by the university.

THE STUDENT SENATE is the executive body of student self government. It consists of seven members elected by the students. The Senate enforces Campus Rules and other student regulations, supervises class contests and decides all questions arising therefrom. It is the aim of the Senate to be representative of student sentiment and to co-operate with the faculty in matters of student welfare.

There are various other student organizations the most prominent of which are the Young Men's and the Young Women's Christian Associations to which allusion has been made under "Religious Life" p. 16.

College Year

The college year consists of three terms of about twelve weeks each. There is a vacation at the holidays of about two weeks; a week's recess near Easter and a summer vacation of about thirteen weeks.

Class Exercises

The class period is one hour in length; in laboratory work, however, the class period is two hours. There are no classes on Saturday or Sunday. Each student is expected to have at least sixteen hours per week, and may not register for more than seventeen with the following exceptions: (1) If a student has no standing less than B in the preceding term he may register for eighteen hours. (2) Students who have a grade of A in more than half their work may register for more than eighteen hours upon the approval of the faculty.

Freshmen who fail to pass in at least half of their work in a term are not eligible for registration the next term. Sophomores must pass at least two-thirds of their work, and

Juniors, Seniors and Specials at least three-quarters to make them eligible for registration the next term.

Unit of Measure or Credit

One class period per week for one term, is taken as the unit of credit, and is called a term hour. In each college course one hundred and ninety-two term hours are required.

The work of students in each subject is graded as A, excellent; B, good; C, fair; D, poor; E, conditioned failure; F (failure). Two tardinesses count as one absence.

Absences and Excuses

It is expected that no student will be absent from any class period except in case of necessity. Reasons for absence from classes are submitted to the Committee on Absences. All excuses are granted with the understanding that the work missed will be made up to the satisfaction of the instructor. Unexcused absences equal to the number of recitation periods per week will lower the grade one letter, and in excess of twice that number will lower the grade to F (failure). In the case of one-hour courses however, an allowance is made, so that two unexcused absences lower the grade one letter. Two tardinesses count as one absence.

Examinations

Final examinations are held at the close of each term in addition to occasional written tests during the term. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Registration

All students will register at the Registrar's office on the first day of the college year; students entering at the beginning of the second or third terms will register on the first day thereof. Any student not registering on the day set therefor will be charged a fee of two dollars for late registration.

College Fees

Matriculation (all new students. Effective Sept., 1920) ..	\$ 5 00
Graduation	10 00
Tuition, per term.....	35 00
Reading Room, per term.....	1 00
Athletics, per term.....	3 00
College Paper (Fiat Lux), per term.....	75

EXTRA FEES, per term, for the use of instruments, apparatus and laboratory materials:

Botany	\$ 4 00
Chemistry 1, 8	4 00
Chemistry 2, 3, 4, 6, 7	5 00
Chemistry 5	8 00
Entomology	2 00
Gymnasium (Freshmen, Sophomores)	1 00
Machine Shop	3 00
Physics 1	1 50
Physics 4.....	2 00
Physiology	2 00
Surveying	3 00
Woodshop	3 00
Zoology	4 00
Typewriting and Stenography.....	6 00

MISCELLANEOUS FEES AND DEPOSITS:

Chemistry Breakage Deposit, Chemistry 1 and 8.....	2 00
Chemistry Breakage Deposit, Chemistry 2, 3, 4, 5, 6, 7..	5 00
Room Deposit (All students in College dormitories)....	5 00
Special Examinations, each	1 00
Late Registration (All students not registering on Registration days)	2 00

Students who register for more than seventeen hours will be charged three dollars for each additional hour.

Students taking fewer than eight hours will be charged three dollars for each hour.

Term bills for college fees will be issued on or before the fifteenth of October, January and April, and must be paid at the office of the Treasurer before the first of the following month. Failure to comply with this regulation renders the student liable to suspension.

Rooms and board including fuel can be obtained in private families from \$6.00 to \$8.00 per week. Board in clubs organized and managed by the students themselves varies from \$4.50 to \$6.00 per week according to the means and inclinations of the students.

Estimated Annual Expenses

Excluding cost of clothing and travel, one can go through a college year by close economy upon \$350.00; and by exercising care, upon \$400.00. An allowance of \$500.00 is comfortable and \$550.00 is liberal.

Board, \$4.50 to \$6.00 per week.....	\$162 00 to \$216 00
Rooms	42 00 to 110 00
Laundry	15 00 to 20 00
Books	10 00 to 25 00
Class dues, etc.....	3 00 to 14 00
College tuition, incidentals and extras.....	120 00 to 140 00
Total for year.....	\$352 00 to \$525 00

Self-Support

Many of the graduates of the college have been persons of very limited means who worked their way through college. While the college cannot guarantee work to all applicants, enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses. Students should distinctly understand that when they attempt entire self-support they may find it necessary to lengthen their term of study.

Special Students

In special cases students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted, provided they produce satisfactory evidence that they are prepared to undertake

the study of such subjects with advantage. The faculty, however, urges all such persons seriously to consider the desirability of qualifying for one of the regular courses.

Pre-Medical and Combination Courses

A student may pursue a combination college and medical course by finishing the first three years of either the classical or scientific course in Alfred, electing as a part of his work the particular subjects required for entrance to the study of medicine, and completing in addition a medical course. This combination course has been arranged for the purpose of giving the student the advantage of a first class college and medical course and of shortening the term of study from eight to seven years.

The Yale School of Medicine requires the following specific subjects to be included in the pre-medical course: general physics, laboratory physics or physical chemistry, general inorganic chemistry, organic chemistry, analytical chemistry, general biology, elementary psychology, and a reading knowledge of German. Yale accepts Alfred's certificate for the completion of the pre-medical course.

The College of Dental and Oral Surgery of New York specifies as predental requirements: the completion of a four year high school course which shall include one year of physics; also at least one year in a college of liberal arts which shall include three year-hours (nine term hours) each of English, biology, chemistry, and six year-hours of electives from the following group—a modern foreign language, mathematics, history, technical drawing, shop practice. After January 1, 1926, two years of instruction in an approved college of liberal arts will be necessary to secure a dental student certificate.

Students who contemplate either of these courses should report the fact to the Registrar upon entrance to college or as soon thereafter as possible.

Admission

Candidates for admission to the freshman class must be at least sixteen years of age and of good moral character. The particular requirements for entrance to college are explained below, and cover in each case not less than a four years' preparatory or high school course.

Preparatory work is estimated in "units." The "unit" represents a course of five recitations weekly throughout an academic year of the preparatory school. The New York State regents' "count" represents one-fifth of a unit. Fifteen "units" or an equivalent must be offered.

Entrance Requirements

ENGLISH—3 units. The candidate must be familiar with elementary rhetoric, both as a science and an art, and must be proficient in spelling, punctuation, idiom, and division into paragraphs. Preparation must include the work in English prescribed by the various college associations.

Each student must be able to pass an examination upon ten books selected from the list prescribed by the college entrance associations. The following ten are recommended: Shakespeare's Julius Caesar, and The Merchant of Venice; The Sir Roger de Coverly Papers; Goldsmith's The Deserted Village; Scott's Ivanhoe; Hawthorne's The House of the Seven Gables; Irving's Sketch Book; Ruskin's Sesame and Lilies; Lowell's The Vision of Sir Launfal; Longfellow's Courtship of Miles Standish.

In addition to the above a thorough study of each of the works named below is required. The examination will be upon subject matter, form, and structure.

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; or Tennyson's *Idylls of the King*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

FOREIGN LANGUAGES—4 units. Latin grammar and composition; Cæsar, four books of the *Gallie War*; Cicero, six orations; Vergil, six books of the *Æneid*, or equivalents: or four units from not more than three of the following: Latin, Greek, German, French, Spanish.

MATHEMATICS—2 units. Elementary Algebra, including fundamental operations, factoring, fractions, ratio, proportion, radicals, quadratics; Plane Geometry, including the straight line, angle, circle, proportion, similarity, and areas.

SCIENCE—1 unit. Biology, Botany, Physiology, Zoology, Physical Geography, Physics or Chemistry. Any one may be offered.

ELECTIVE—5 units in addition to the above subjects. These electives may be chosen from any of the courses of approved secondary schools including one unit of the standard English Bible Courses approved by the Council of Church Boards of Education.

Candidates for the A. B. degree must offer the minimum of two units of Latin in the foreign language requirement. Candidates for the S. B. degree may substitute one unit of science and one unit of advanced mathematics for two units of foreign language. Two units of foreign language offered must be of the same language.

Summary

English	3 units
Mathematics	2 units
Foreign Languages	4 units
Science	1 unit
Elective	5 units

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as such credentials cover these requirements. (For description of subjects, see *Entrance Requirements*).

PRINCIPALS' CERTIFICATES. Certificates are also received from principals of preparatory or high schools, provided such schools are known to the faculty for thoroughness of instruction. The certificate must show that the applicant is a graduate of a four-year high school. The certificate must also specify, in connection with each subject, the year in which it has been given, the extent to which it has been pursued, the amount of time given to it, and the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every way. Principals of high schools who desire to have their students admitted on certificate are invited to correspond with the Registrar, who will provide them with blank standard certificates of recommendation.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects.

For the convenience of students not having such certificates, entrance examinations are held at Alfred on the day preceding registration day (Tuesday, September 20, 1921).

Conditioned Students

No student may enter the freshman class conditioned in more than one unit. This condition must be removed within one year.

Admission to Advanced Standing

Students from other colleges having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character, including an honorable dismissal.

Courses of Study

The college offers two courses of study leading to baccalaureate degrees. Each course covers four years of work and includes one hundred and ninety-two term hours. The courses are as follows:

(a) The classical course, leading to the degree of Bachelor of Arts.

(b) The scientific course, leading to the degree of Bachelor of Science.

Required Studies in Both Courses

Numerals indicate the number of class exercises per week and term hour credits, except in physical training where two exercises per week count one credit.

Freshman Year

English	3
*History	3
†Mathematics	3 or 5
Foreign Language	3
*Science	3
Physical Training	1
Sociology and Ethics	1
Elective	2

Sophomore Year

English	2
Foreign Language	3
Science	3
Logic and Psychology	2
Physical Training	1
Elective	5

Elective Studies

The studies of the junior and senior years are elective and may be chosen from any department of instruction subject to the following conditions:

Each entering class is assigned to a faculty committee of class counselors who shall act as their advisers until May 1 of the sophomore year. At that time the student, under the

*Science or history should be omitted in the freshman year if a two-hour elective is chosen, but the omitted subject must be included in the electives of the sophomore year.

†Engineering students and those who contemplate more than Freshman mathematics should elect the five-hour course.

direction of this committee, shall select a major and a minor, subject to the approval of the faculty. The professor in charge of the department in which the major is chosen will then become the student's adviser for the remainder of the course. A major consists of twenty-four term hours in addition to the required work. A minor consists of fifteen term hours in addition to the required work. A student choosing science or foreign language as a major must elect a subject in which he has done at least one year of preliminary college work. D is reckoned as a passing mark; but of the one hundred ninety-two hours required for graduation one hundred thirty-five hours of the work of each student must have a grade of at least C and his major work must have an average grade of B. The major and the minor shall be chosen from the following groups:

Groups

- I. English.
- II. German.
- III. Romance Languages.
- IV. Latin.
- V. Greek.
- VI. History and Political Science.
- VII. Philosophy and Education.
- VIII. Religious Education.
- IX. Mathematics.
- X. Industrial Mechanics.
- XI. Physics.
- XII. Chemistry.
- XIII. Biology and Geology.

(a) Students in the classical course will elect a major from Group I, II, III, IV, V, VI, VII, or VIII, and complete a total of at least 99 hours from these groups and a minimum of 36 hours from the remaining groups.

(b) Students in the scientific course will elect a major from Group IX, X, XI, XII, or XIII, and complete a total of at least 72 hours from these groups and a minimum of 63 hours from the preceding groups.

The minor shall be chosen from a group other than the one from which the major is elected.

Senior Thesis

Any senior may, not later than the first of November, elect to write a thesis in the department of his major subject upon the approval and under the direction of the head of such department. The thesis work may be done on the basis of three or five hours credit as agreed upon; and credit shall be given only when the work is accepted by the head of the department, and a type-written copy deposited with the university librarian. All thesis work shall be counted as part of the senior schedule for the third term.

Before completing thesis, seniors should consult the librarian regarding form, size, and title page of the final copy.

Bachelor's Degree

The bachelor's degree will be conferred upon students who satisfactorily complete one hundred and ninety-two term hours, as described above:

(a) *Bachelor of Arts* upon students in the classical course.

(b) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The master's degree may be conferred upon graduates having the bachelor's degree, whether of this college or of any other having equivalent courses, after one year's resident study. The candidate must elect, subject to the approval of the faculty, one major and two minor subjects in advanced courses. The major must represent eighteen term hours, and each minor, nine term hours. The candidate must pass a satisfactory examination in each subject, and must submit a thesis upon some theme chosen in the field of the major subject. The thesis must be the equivalent of nine hours' work, in addition to the eighteen hours required for the major subject. It must be approved by the professor of the department in which the major is chosen, and a type-written copy must be deposited in the university library not later than May 15.

Candidates will pay the regular tuition fee of \$105 per year and a graduation fee of \$10.

Honors

Honors are awarded at the end of the freshman, the sophomore, the junior and the senior years. The names of those to whom honors are awarded will be recorded on the records of the registrar, announced on commencement day, and printed in the annual catalogue. The faculty reserves the right to withhold any honor for cause.

In determining honors the following scale of values will be used: each hour at A=3, each hour at B=2, each hour at C=1, each hour at D=0, each hour at E=-1, each hour at F=-2.

Senior Honors

Three grades of honors are awarded to seniors, based on their grades for the entire college course, viz:—(a) Highest Honors, or *summa cum laude* to those having an average of 3. i. e. no grade less than A.

(b) High Honors, or *magna cum laude* to those having an average of 2.6 and no grade below C.

(c) Honors, or *cum laude* to those having an average of 2.2.

The senior class nominates, not later than the first of January, five of their number from whom one is chosen by the faculty to deliver an oration on Commencement day. It is expected that the senior thus chosen will give his time and attention outside of his class work to the preparation of this oration; two term hours credit is given for the same, and the student is known as the Class Orator.

Departmental Honors

Honors in the different departments of study are awarded to seniors under the following limitations:

1. The student must have pursued at least twelve hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of B or more in the studies pursued during the junior and the senior years.

3. Honors are voted by the faculty on recommendation of the professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Special Honors in Modern Languages

Juniors and seniors majoring in modern languages may become candidates for special honors in either German or French under the following conditions:

1. Application to become a candidate for these honors must be made to the head of the department not later than December 1, of the senior year.

2. Two full-year courses in European History in addition to History 1 are required; for special honors in German, courses aggregating 36 hours, not including German 1, 2, or 3; and for special honors in French, courses aggregating 36 hours, not including French 1 or 2.

3. Candidates must complete 4000 pages of reading—1000 in English and 1000 in German in addition to the 2000 in the works read in the above courses—and hand in written reports on the same.

4. At the end of the senior year candidates will take a special examination—to be composed, one-half of an oral and one-half of a written test—in lieu of the regular final examinations in the department of modern languages.

Freshman, Sophomore, and Junior Honors

One grade of honors is awarded to members of the freshman, sophomore, and junior classes who have an average of at least 2.2, based on the grades for the current year, and who at the time of the award have no entrance condition.

A silver cup, given by the Twentieth Century Club of the Alumni of the College, is awarded to that one of the two lower classes making the highest scholastic average during the year.

Departments of Instruction

[Alphabetically Arranged]

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "*two hours*;" three exercises, "*three hours*," etc. Roman numerals signify that the course is limited to the one term named, I, II or III. Courses with year numerals following are given that year and alternate years; other courses are offered every year. Instructors reserve the right to vary from these announcements as circumstances may dictate.

AGRICULTURE AND DOMESTIC SCIENCE

The New York State School of Agriculture offers three courses in Agriculture designed to meet the needs of prospective high school principals, and others who wish to secure a general understanding of the science of agriculture.

It also offers two full year courses in Domestic Science: one in Foods and Cookery, and one in Sewing.

AGRICULTURE 1. SOILS AND CROPS. A fundamental course dealing with the origin and properties of soil, physical analysis, tests for acidity, fertilizers, and crop rotation together with an intensive study of the cereal, forage, fibre and leguminous crops. *Three hours. I.*

AGRICULTURE 2. ANIMAL HUSBANDRY AND DAIRYING. A course including a study of the breeds of farm animals, stock judging, breeding, feeding and general care. Practice is given in testing milk and cream by the Babcock test and in the operation of cream separators, and milking machines. *Three hours. II.*

AGRICULTURE 3. POULTRY AND FRUIT GROWING. In this course the various breeds of poultry are studied from the utility standpoint, together with class work and practice in incubation, brooding, feeding, and general care; also in the grading and marketing of eggs and poultry. In the last half of this course the principles of fruit growing are considered including grafting, budding, pruning, spraying, and the harvesting and marketing of the crop. *Three hours. III.*

DOMESTIC SCIENCE 1. FOODS AND COOKERY. A three term course covering in a brief way the principles of plain cooking; the classification of food materials according to the uses in the body, and the effect of heat on food nutrients as influenced by different methods of preparation. The conservation of food and especially the question of wheat and meat substitutes is thoroughly considered. The third term is devoted to a study of dietetics. *Two hours.*

DOMESTIC SCIENCE 2. SEWING. In this course instruction is given in the drafting, cutting and fitting of garments, and in the use and alteration of commercial patterns in garment making. The conservation of textile fabrics; proportion, line, form, and color in dress are thoroughly considered. *Two hours.*

ART

College students may elect work in the courses in drawing, modeling, and design in the New York State School of Clay-working and Ceramics and obtain credit to the amount of fourteen term hours. The detailed description of courses will be found in the catalogue of the School of Ceramics.

HISTORY OF ART. Lectures and recitations illustrated with photographs and slides on the history of the arts and the appreciation of beauty in works of art. The beginnings of art. Egyptian, Greek and Roman art. The arts and crafts of the Middle Ages. The painting and sculpture of the Renaissance. Modern art. Reinach's History of Art Throughout the Ages is used as a text-book with supplementary reading and the keeping of notebooks. Lectures and recitations. *Two hours. 1920-21.*

ASTRONOMY

Professor Joseph Seidlin

1. GENERAL ASTRONOMY. The principles of astronomy are considered as far as possible without mathematics. Especial attention is paid to the application of physical principles and laws to astronomical reasoning. The course is cultural rather than technical in its nature. Prerequisites, Physics 1 and Trigonometry. *Two hours.*

BIBLICAL LANGUAGES AND LITERATURE

Professor Whitford

The English Bible is studied from a literary and historical point of view. By means of these courses the student is helped to a practical knowledge of the book which has exercised the most sweeping influence upon the human race.

1. **EARLY HEBREW HISTORY.** The earlier narratives of the prophetic writers of the Pentateuch are studied with an effort to understand their point of view, and the lessons that they meant to teach. The period covered is from Creation to the death of Moses. The student is encouraged to make special investigation of various problems. *Two hours. I. 1920-21.*

2. **THE UNITED KINGDOM.** This is a study of the golden age of Hebrew History, from the entrance into the promised land to the close of the reign of Solomon. The narratives of Judges, Samuel and Kings are considered with attention to the varying points of view of the writers. *Two hours. II. 1920-21.*

3. **THE DIVIDED KINGDOM.** This is a study of the development of religious ideals in that age when the Hebrew people were coming more and more intimately into contact with the great world powers outside of Canaan. The two little nations, Israel and Judah, are on the down grade; but the prophets are making such discoveries of the relations of mankind to God that not only will make these prophets forever famous, but also will be of lasting benefit to all who give heed. *Two hours. III. 1920-21.*

4. **DEVELOPMENT OF JUDAISM.** With the destruction of Jerusalem in 586 B. C. it might seem that there was a logical end for the Hebrew people. The nation was gone to be sure, but the race survived, because it had a treasury of truth for all the world. Perhaps some part of the development of Judaism was a retrogression. By selections from the literature of this period the student is able to trace the progress in the preparation of the world for Christianity. *Two hours. I. 1921-22.*

5. **LIFE OF CHRIST.** A critical study is made of the material presented in the four Gospels with a view to ascertain-

ing the facts about Jesus and his sayings as set forth in the oldest sources. The student is encouraged to discriminate in regard to the value of our various sources of information. *Two hours. II. 1921-22.*

6. THE APOSTOLIC AGE. The growth of the kingdom of God in the period immediately following the resurrection of Jesus the Christ is studied from the narrative of the book of Acts, and from the letters of the early apostolic missionaries. Light on the interpretation of the Epistles is sought from the circumstances and conditions under which they were written. *Two hours. III. 1921-22.*

In addition to the above courses which are offered for particular terms the following are offered at any time when there is sufficient demand.

7. THE SOCIAL AND ETHICAL TEACHINGS OF JESUS. With the Gospels as a basis, the form, methods, and sources of Jesus' teachings are considered. The particular teachings that he made prominent, especially those concerning conduct and relations with fellowmen, are carefully noted. *Two hours. One term.*

8. THE ORIGIN AND RELIGIOUS TEACHINGS OF THE OLD TESTAMENT BOOKS. An effort is made to get at the true meaning of the various books by considering them in connection with the situations that called them into being. The unfolding of religious ideals is traced. *Two hours. One term.*

9. WISDOM LITERATURE. The wisdom books of the Old Testament are studied with special attention to literary features and to determine the ethical content of the words of the wise men. *Two hours. One term.*

10. WAR. A consideration of the Biblical passages that lie at the foundation of international relations. What is the justification of war? How is universal peace to be established? *Two hours. One term.*

11. BIBLICAL INTRODUCTION. An investigation concerning what the Bible is and how it is to be understood and interpreted. Literary, historical and textual problems are considered. *Two hours. One term.*

12. APOCALYPTIC. This course is an attempt to find the real meaning back of the fanciful figures of the books of Daniel and Revelation which have been obscured by the still more fanciful interpretations of the past and of the present. *Three hours. One term.*

For the study of the Old Testament in the original the following course is offered:

13. ELEMENTS OF HEBREW. The first eight chapters of the book of Genesis are read in connection with a study of the grammatical forms as they occur. Toward the end of the course select passages from the historical books are read at sight. The student is expected to attain a mastery of Hebrew proportionate to his mastery of Latin at the end of two and one-half years. *Four hours.*

For New Testament Greek see Greek 7 and 8.

For other courses connected with the Bible and Religion see Religious Education.

BIOLOGY AND GEOLOGY

A. Biology

Professor Bennehoff

Perhaps no location in the interior of the country has such an advantageous position for botanical research as Alfred. Its elevation affords mosses and lichens; the many swamps of the water-sheds in the hills teem with algæ, and are bordered with dense marginal growths of ferns and lycopodiums. The water-sheds supply a very wide range of the common plants. In addition, the college campus is ornamented with a large collection of trees and shrubs of various kinds.

The work in biology aims to give the student a first-hand knowledge of the different forms in which life expresses itself, by the direct study of organisms in the laboratory. This is supplemented by the study of standard

literature, and by discussion in class. Attention is paid to the relation of organisms to each other, their adaptation to their mode of life, and the application of observations to general theories and laws.

Botany or Zoology should be taken in the Freshman and Sophomore years, and students majoring in this department should manage as far as possible to get Biology in these years.

1. BOTANY. I. Text (Coulter, Barnes and Cowles' College Botany, Vol. I, Part I.) Thallophyta are studied in the Laboratory under the Microscope, and in the Field. Note Books required. II. Bryophyta, Musci, Pteridophyta Spermatophyta are studied in a general way, and studies in plant Physiology are carried out as directed in Paynes' Experimental Botany. III. Collecting and classifying an Herbarium. Gray's New Manual of Botany. *Three hours.* 1921-22.

2. ZOOLOGY. I. Text (Galloway's Zoology) Laboratory and Field work two days a week, recitations one. Notebooks required. Dissection work on a specimen of each Phylum of Metazoa, Laboratory studies on the Protozoa.

II. Laboratory studies on Animal Life, Structural studies from the Museum, Library studies and Classification Practice. III. Field work and Ecology. Notebooks required. *Three hours.* 1922-23.

3. PHYSIOLOGY. (Martin's Human Body). A study of Human Anatomy, animal dissection. and Laboratory experimentation. Sanitation and Hygiene in their various aspects. This course is designed to give the student a practical course in the maintenance of health, and healthful surroundings. Physiology is the central theme of the course. *Three hours.*

4. BIOLOGY. (Abbott's Biology) The study of the fundamental activities of the cell, whether animal or plant. A general survey of Life. Mitosis, and its relation to sex, fertilization, and development. *Two hours. I.*

5. GENETICS. (Walter's Genetics). A study of the laws of Heredity. Text work is supplemented with Library work, in which line the Library is quite extensive. Course 4 prerequisite. *Two hours. II.*

6. ORNITHOLOGY. (Chapman's Hand Book of Birds.) Laboratory studies of birds, museum and library studies, lectures. In early spring the work is all in the field. *Two hours. III.*

B. Geology

Professor Bennehoff

Alfred University offers superior advantages to the student of geology. The Allen Steinheim Museum is constructed of the representatives of every geological formation from the lowest Laurentian to the last Chemung, and yet no stone in the building has been moved more than two miles from the place in which the glaciers of the ice age left it. From these glacial moraines the student is able to gather valuable type collections, illustrating all the formations found between the north of Labrador and Allegany county. The palaeontological collection is very complete, containing many duplicate specimens and a carefully selected series of casts.

The work in geology is supplemented by illustrated lectures, supplied at considerable expense, and while attendance is required of the students of the geological courses, any others may attend who desire to avail themselves of the opportunity.

1. GEOLOGY. LeConte's Elements of Geology. Dynamic and structural geology are studied by means of lectures, library reading, and field work. *Two hours. I.*

2. ECONOMIC GEOLOGY. Economic Geology of the United States by H. Ries. A study of the formation and localities where deposits of minerals occur in the United States; coal oil, clays, cements, lime, salt, gypsum, fertilizers, and the various precious metallic ores are considered. This course may be substituted for course 3. Prerequisite, course 1. *Two hours. II.*

3. HISTORICAL GEOLOGY. Part III of LeConte's Elements of Geology. This is a continuation of course 1. The work of this course consists of assigned readings in the library and the collecting of one hundred specimens. Prerequisite, course 1. *Two hours. III.*

CHEMISTRY

Rosemary Owens Bole

1. CHEMISTRY. A thorough course in the theory and principles of the science of chemistry, covering Alexander Smith's College Chemistry. It is supposed that students entering this course shall have had high school physics, and preferably high school chemistry. Lecture and recitations *two hours*, laboratory *one hour* (for pre-medical students, *two hours*). This course cannot be counted on a major in Chemistry.

2. QUALITATIVE ANALYSIS. A course consisting of four hours of laboratory work a week throughout the year, with one hour lecture. The detailed separation of the metals, non-metals and acid radicals. The student is required to apply the theory learned in course 1 and to explain the reason for each reaction. The ionic theory, solubility product, hydrolysis, amphoteric hydroxides, oxidations and reductions, etc., are studied and application made in the separations. Required of major students. Text-book, Stieglitz, Vol. 1 and Noyes. Prerequisite, course 1 or its equivalent. *Three hours.*

3. QUANTITATIVE ANALYSIS. A laboratory and lecture course. The work embraces the principal methods of gravimetric, volumetric, colorimetric and electro-chemical analysis, and the use of the reference works and the chemical journals. This course gives quantitative application of the laws which are studied qualitatively in course 2. Text book—Talbot. Prerequisites, courses 1 and 2. *Three hours.*
I. II.

4. TECHNICAL ANALYSIS. Lectures and laboratory work. The analysis of a clay, carbonate rock, and portland cement is carried out in detail. The student is given the opportunity to compare different methods of analysis rather than to follow any specified method. Prerequisites, courses 1, 2 and 3. *Three hours.* III.

5. FUEL. Lecture and laboratory course. The analysis of coal, illuminating and natural gases is carried out in the laboratory. The study of the various fuels is taken up and different samples are analyzed by the student. The student is taught to use the Orsat and Hemphill apparatus and the oxygen bomb calorimeter. Prerequisites, courses 1, 2, 3, 4. *Five hours.* III.

6. **PHYSICAL CHEMISTRY.** Introduction to the concepts of physical chemistry. The first term is taken up with a detailed study of the laws governing gases, liquids, solids, and substances in solution. During the second term a study of the phase rule and electro chemistry is taken up and a detailed study of the laws of chemical equilibrium and applications of the same are carried out. The third term is given over to laboratory work. Prerequisites, courses 1 and 2 and Calculus. (Calculus may be taken simultaneously with this course). *Three hours.*

7. **ORGANIC CHEMISTRY.** Three recitations or lectures and two two-hour laboratory periods a week. During the first term the aliphatic compounds are studied and the aromatic compounds the second term. The systematic study of the chemistry of the carbon compounds is taken up and many typical compounds are prepared in the laboratory. Required of major students. *Five hours. I, II.*

8. **FOOD CHEMISTRY.** Two lectures and one two hour laboratory period a week. The aim of this course is a study of the chemistry of every day life as applied in the home, especially in the preparation of foods. The course acquaints the student not only with the qualitative and quantitative methods used in chemistry, but also with organic chemistry and bacteriology. This course can be of profit to those who may have to teach science in the secondary schools. Prerequisite, Chemistry 1. *Three hours. III.*

NOTE—Technical courses in Chemistry are elected in the State School of Ceramics and the State School of Agriculture.

ENGLISH

Professor Paul E. Titworth

Arlotta Bass Mix

1. **ENGLISH COMPOSITION.** This course, required of freshmen, aims to teach the use of written and oral language, two of man's most powerful tools. There will be recitations, writing of themes, reading of current periodicals and of standard literature, discussions, and conferences. The Freshman Literary and Debating Society's programs will occupy two recitation periods a month. In general the main topics for study during each of the three terms will be

respectively the word, the sentence, and the paragraph. This course is prerequisite to the other courses in English. Texts: Greenough and Hersey, *English Composition*; Scott and Zeitlin, *College Readings in English Prose*. Three hours.

2. ARGUMENTATION AND DEBATE. This course aims to give the theory and practice of argumentation and debate. The work offers an opportunity for experience in extemporaneous speaking, in brief-drawing, and in formal and informal argumentation. There will be recitations and oral and written exercises. Text: O'Neil, Laycock, Scales, *Argumentation and Debate*. Two hours.

3. SHORT-STORY WRITING. This course, an introduction to the technic of the short-story, is open to any qualified junior or senior. A number of representative short-stories will be studied and read. One original story will be required each term. The course aims to train the student to write forceful and flexible English, to open up the field of the short-story for his greater enjoyment, and possibly to point the way to his future life work. Texts: Esenwein, *Writing the Short-Story*, *Studying the Short-Story*, or Williams, *Handbook of Story Writing*. Two hours.

4. JOURNALISM. This is an introductory course designed to acquaint the student with the field of newspaper work, to teach him facility in the use of written English, and to discover his possible fitness for journalism. Text: Bleyer, *Newspaper Writing and Editing*. Two hours. 1921-22.

5. SPECIAL FEATURE ARTICLE WRITING. This course, a complement of Course 4, aims to acquaint the student with the field of the special feature article. The writing of such articles and of editorials, and the study of representative newspapers and periodicals will be salient features of the course. Texts: Bleyer, *Special Feature Articles*; Esenwein, *Writing for the Magazines*. Two hours. 1920-21.

6. INTRODUCTION TO ENGLISH LITERATURE. This course introduces the student to the general field of English literature and to literary study. During the first term the essay will be taken up; during the second, fiction; and during the third, poetry and the drama. The work of the course will consist of recitations, discussions, themes, and once a month a program. Required of sophomores. Texts: Bowman and others, *Essays for College English*; Hamilton, *Manual of the Art of Fiction*; Connell, *Study of Poetry*. Two hours.

7. HISTORY OF ENGLISH LITERATURE FROM THE BEGINNINGS DOWN TO 1660. This course (formerly English 15) offers a study of the early English writings and writers. Special attention will be given to Chaucer, Spenser, Shakespeare, and Milton. There will be recitations, lectures, and reports. Text: Long, *English Literature*. Two hours. 1920-21.

8. EIGHTEENTH CENTURY LITERATURE. The lives, works, and times of the chief writers of the period from 1660-1798 will be studied in considerable detail, the minor authors being given less attention. Three hours. 1921-22.

9 and 10. NINETEENTH CENTURY LITERATURE. The nineteenth century with its wealth of poetry, fiction, essay, and drama will be studied in the lives, works, and times of the major authors. Briefer consideration will be given their minor contemporaries. Three hours. 1921-22.

11. MODERN DRAMA. Recent plays of English, French, German, Scandinavian, Russian, and American dramatists will be read and studied in this course. Elective for students who have credit for a year's work in English literature. Two hours. 1920-21.

12. AMERICAN LITERATURE. This course will be a general survey of American letters from Colonial times to the present day. Special emphasis will be laid on the literature of the nineteenth century. Recitations, discussions, and themes. Texts: Cairns, *Early American Writers*; Long, *American Literature*. Two hours. 1921-22.

13. LATIN LITERATURE IN ENGLISH TRANSLATION. (See Latin 6). This course will give those who have had little or no Latin something of the content and the spirit of Latin literature. The work includes the reading of the great Latin masterpieces in classic English translations, lectures on Roman writers, and an estimate of the influences of Latin literature upon our own. Two hours. 1920-21. Professor Stearns.

14. GREEK LITERATURE IN ENGLISH TRANSLATION. (See Greek 6). The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. The course should be valuable to those intending to teach English literature. Two hours. 1921-22. Professor Stearns.

ETHICS

President Davis

1. THE FUNCTION OF COLLEGE EDUCATION. A survey of collegiate opportunities in the light of individual and social needs. A study will be made of the purpose and function of the various subjects offered by the college curriculum in their bearings upon personal development and upon vocations. Attention will be given to improving the students' methods of study and to other problems incident to his adjustment to college life. The course will include also a brief consideration of the ethical problems involved in present social and industrial questions and the students' relation to them. It is required of all Freshmen. *One hour.*

2. HISTORICAL AND THEORETICAL ETHICS. A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the nature, function, and authority of conscience, the origin and content of the moral law and related themes. *One hour.*

GERMAN

Professor Mix

Professor Landwehr

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach German should take all the work offered in it.

German courses, Nos. 1 and 2 cannot be counted toward a major, nor No. 1 toward a minor.

1. BEGINNING GERMAN. The essentials of grammar: oral and written composition; pronunciation; conversation, and translation. No credit for a single term. *Three hours.*

2. ELEMENTARY GERMAN. Rapid reading of German of medium difficulty; grammar; dictation; oral and written exercises, pronunciation and conversation. Prerequisite, German 1, or its equivalent. *Three hours.*

3. SCIENTIFIC GERMAN. Reading of scientific books: for those students who desire familiarity with scientific vocabulary. *Two or Three hours.*

4. HISTORY OF GERMAN LITERATURE. An introduction to the study of the history of German literature, particular emphasis being laid upon the two classic periods of the twelfth and eighteenth centuries. For juniors and seniors. *Three hours.*

6. TEACHERS' COURSE. Introduction to the history of the German language; discussion and demonstration of methods; practice teaching. *One hour.*

6a. GERMAN PRONUNCIATION. Much practice of German sounds, in class and out; detailed study of vocal organs and sound production; phonetics; orthoepics. *Two hours. I 1920.*

6b. ADVANCED GERMAN GRAMMAR AND COMPOSITION. Study and application of the details of German grammar. Much oral and written composition. *Three hours.*

GREEK

Professor Hart *

Professor Stearns

Professor Whitford

1. BEGINNING GREEK. Beginner's Greek Book; Xenophon (Anabasis); Prose Composition. This course may be elected during the last term by students who present one year of Greek at admission to College. It may not be counted toward a major nor toward a minor. *Four hours.*

2. GREEK LITERATURE. Homer (Iliad, Odyssey); Euripides (Medea). The finest portions of the Iliad will be read the first term; the second term will be devoted to reading the more interesting parts of the Odyssey, and the third term to the study of a tragedy by Euripides. Prerequisite, Greek 1 or its equivalent. *Three hours.*

3. GREEK LITERATURE. Lysias (selected orations); Plato (Apology, Crito, and closing chapters of the Phædo); Sophocles (Antigone). The work of the first part of the year centers about the life, personality, and influence of

*Absent on leave.

Socrates. In the latter part of the year the development of poetry from Homer and the epic to Sophocles and the Drama is traced. Prerequisite, Greek 2, or three years of preparatory Greek. *Three hours.*

4. GREEK DRAMA. Æschylus (Prometheus Bound, Agamemnon); Sophocles (Œdipus Tyrannus); Euripides (Bacchæ); Aristophanes (Acharnians, Birds). Lectures are given on the Greek theatre and the development of the Greek drama and its relation to modern drama. *Three hours.* 1920-21.

5. GREEK LITERATURE. Selections from the Greek Historians; Demosthenes (On the Crown). *Two hours.* 1921-22.

6. SURVEY OF GREEK LITERATURE IN ENGLISH TRANSLATION. The aim of this course is to give to students who have no knowledge of the Greek language such acquaintance with the literature of the ancient Greeks as can be obtained through English translations. It should be valuable to those intending to teach English literature. Wright's Greek Literature will be used as a basis for the course. *Two hours.* 1921-22.

7. NEW TESTAMENT. GOSPEL ACCORDING TO MATTHEW. Portions of the gospel are read with attention to the point of view of the author. The deviations from classical usage in grammar and syntax are noted. *Two hours.*

8. NEW TESTAMENT. EPISTLE TO THE ROMANS. The first eleven chapters are read with attention to the line of Paul's argument. *Two hours.*

HISTORY AND POLITICAL SCIENCE

A. History

Professor Norwood

1. HISTORY OF WESTERN EUROPE, 376 A. D. TO ABOUT 1850. A general survey will be made of the history of christendom from the eve of the Middle Ages to the close of the revolutions of 1848. Emphasis will be placed on the life of the times, and the conditions out of which feudalism, the crusades, the renaissance, the reformation, the French revolution, and the autocratic reaction grew. Care will be taken to show the essential unity of European history. Lec-

tures, text book, map work, reading, written lessons, and class discussions. Required course for freshmen. No credit given for a single term. *Three hours.*

2. THE WORLD WAR, 1914-1919. In this course will be studied chiefly the outstanding situations and events marking the steps in the progress of the great conflict. Some attention will be given to causes and results at proper points during the year. Lectures, text book, reading, discussions. *Two hours.* 1920-21.

3. BRITAIN AND GREATER BRITAIN SINCE 1485. The revival of the monarchy; the break with Rome, Elizabeth and national feeling, the Armada, the religious and political struggles of the 17th century; William of Orange, the age of Walpole, the struggle with France, the industrial revolution; the Napoleonic wars, parliamentary reform, social and industrial problems, growth of the imperial idea, the crisis of 1909-1911, and the Irish question will be treated in this course. Lectures, text book, reading, discussions. *Two hours.* 1921-22.

4. AMERICAN HISTORY TO 1860. This course aims to bring the student into touch with the active forces operating in the building up of the American nation. A wide range of facts is presented, and the student is introduced to a varied literature dealing with the period. In the discussions it is the aim to bring out the deeper relations among events and present suggestive viewpoints for further study and thought. Lectures, text book, reading, class discussions. Prerequisite, course 1. *Three hours.* 1921-22.

5. AMERICAN HISTORY SINCE 1860. A topical consideration of the larger movements of this strenuous period is attempted in this course. Recent problems—financial, monetary, industrial, political, diplomatic, colonial and constitutional—are studied in their historical setting. It continues course 4, is open to the same class of students, and is conducted in the same manner. A good knowledge of the events is presupposed. *Three hours.* 1920-21.

6. PRO-SEMINAR IN AMERICAN HISTORY. The object in this course is to give the student an introduction to the rudiments of historical investigation. After preliminary lectures, readings and practice work on the elements of historical criticism and bibliography, topics will be assigned for exhaustive investigation in some narrow field of recent American history. Open to qualified juniors and seniors. *Two hours.* III. 1920-21.

B. Political Science

1. AMERICAN POLITICS AND COMPARATIVE GOVERNMENT. In this course the mechanism of the American federal and state governments will be studied and comparisons made with the governments of England, France, Italy, and Germany. Especial emphasis, however, will be placed on the actual working of governments and on current politics, with a view to leading students to take an intelligent interest in public affairs. Considerable newspaper and other current reading will be required. Open to juniors and seniors. *Two hours. I, II.*

2. CONSTITUTIONAL LAW. The work of this course consists of text-book study and a careful reading and discussion of a number of selected cases appropriate to the field. A chief object is to develop a clear understanding of the evolution and present status of the relation between the states and the federal government in our system. *Two hours. III. 1921-22.*

3. INTERNATIONAL LAW. This course will survey briefly the history of international law, the basis of law, rules governing international relations in peace and war, leading cases in the field, the contributions of the United States to the law of nations; recent changes in the law; the spirit of international relations; and questions growing out of the war. Text book, reading, and discussions. *Two hours. III. 1920-21.*

C. Economics

1. ECONOMICS. This is an introductory survey of the field of modern industry. The laws of production, distribution and consumption are studied, together with the practical problems of the science as seen in money and banking, foreign exchange, the tariff, the trusts, the railroads, the relations of labor and capital, taxation, socialism, etc. Toward the end of the second term some attention will be given to the work of Wall Street and its place in our economic system. Open to juniors and seniors. *Three hours. I, II.*

2. THE MODERN BUSINESS CORPORATION. The corporation will be studied both from the standpoint of the stockholder and manager and creditor on the one hand and that of the community on the other hand. Several books will be

used in succession as texts and their contents discussed and criticized in class. Prerequisite, course 1. *Three hours. III. 1920-21.*

3. **MONEY AND BANKING.** After a thorough study of monetary theory, the theory of banking and the problems of money and banking will be taken up. American monetary and banking experience will receive emphasis. Foreign banking systems and the subject of foreign exchange will be studied. Prerequisite, course 1. *Three hours. III. 1921-22.*

INDUSTRIAL MECHANICS

Clifford M. Potter

The purpose of the founders of this department was to provide an opportunity for obtaining a ground work for successful professional study in any of the mechanic arts; architecture, civil, mechanical or electrical engineering. It is possible for a student graduating from the scientific course to enter the technical and professional schools with advanced standing, providing he elect his major and minor from the departments of Industrial Mechanics, Physics and Mathematics as well as choosing his free electives from these and related departments. It is desirable that such students should present for entrance at least one year's work in wood-working and one in drafting. Courses 9, 10, 11, and 12 aim to prepare students for teaching manual training in the public schools. It is expected that students electing to take these courses will take the prescribed work in Education, and courses in drawing, modeling, and design.

All courses except 3, 9, and 10 are laboratory, or double hour periods for one hour of credit.

1. **ELEMENTARY DRAFTING.** Open to all regular and special students of the college. Elementary principles, geometric problems, projections, etc. *Two hours.*

2. **ADVANCED DRAFTING.** Prerequisite, course 1 or its equivalent. This course aims to familiarize the student with the necessary steps in getting out complete sets of drawings for a machine. With this in view, freehand sketches,

working drawings, tracings, and blueprints of details and assemblies are made. A study is also made of gears and cams. *Two hours.*

3. DESCRIPTIVE GEOMETRY is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows, and perspective, all developed according to mathematical principles. *Two hours.* 1920-21.

4. ARCHITECTURAL DRAFTING. Prerequisites, courses 1 and 3. Detail drawings of the various constructions used in building are made. A complete set of drawings for some building of the student's design, including bill of materials and estimate, is required. 1921-22.

5. WOOD-WORKING. This is an elementary course open to all students of the university. The purpose is to teach the students the intelligent use of the more common hand tools used in the shop, the care and the proper methods of sharpening them, and the correct method of making the principal joints used in carpentry and cabinet-making. As soon as each kind of joint is thoroughly understood, the student is taught its practical use in making a piece of furniture or apparatus. Special stress is placed on accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. *Two hours.*

6. PATTERN-MAKING. Prerequisites, courses 1 and 5, or their equivalent. This course aims to give the student the elements of practical wood pattern-making. Each article made is to be a practical pattern which may be successfully cast in any foundry. The work is made very technical so that the student may become acquainted with actual shop methods so far as it is possible in a school shop. Accuracy and first-class workmanship are essential for success in this course. *Two hours.*

7. FORGING. Prerequisites, courses 5 and 6, or their equivalent. A practical course in the drawing, welding, and bending of iron for any purpose. The management of the fire and the forge is considered of first importance in this course. A large variety of articles in both iron and steel is made during the year, the work in steel coming the latter part of the year. Such tools are made from steel as cold

chisels, lathe and planer tools, and special tools for special purposes. At frequent intervals during the year lectures and demonstrations are given on such subjects as the structure and manufacture of steel and iron, welding compounds, commercial shop methods, tempering, annealing, etc. *Two hours.*

8. MACHINE-SHOP PRACTICE. Prerequisites, courses 1 and 5. This course consists of exercises in chipping, filing, and fitting, lathe and shaper work, and operations on the drill press. Skill in manipulation is not sought so much as knowledge of methods and the possibilities and limitations of the various machines. Demonstrations and exercises are given in both iron and steel. Lectures are given on the manufacture and use of the different kinds of iron and steel. *Two hours.*

9. ELEMENTARY MANUAL TRAINING. Prerequisites, courses 1 and 5. This course aims to prepare the student to teach Manual Training in the elementary schools. It covers the last four years of the work. The course consists of planning of courses, including the drafting and working out of projects, papers, discussions, and recitations on the various phases of elementary school work. *Three hours. 1921-22.*

10. HISTORY AND DEVELOPMENT OF MANUAL TRAINING. This is a study of the beginning of manual training in the time of Pestalozzi and Froebel, and its progress and development down to the present time. Lectures, recitations, and outside reading with papers and discussions. *Two hours. 1920-21.*

11. WOODWORKING AND DRAFTING. Prerequisites, courses 1 and 5. This course aims to prepare students for teaching manual training in the high schools. It includes, besides the shop and drafting room, work especially planned for manual training teachers, the planning of courses, methods of teaching shop and drafting room work, a study of woods and their growth, the preparation of lumber, etc. *Two hours. 1921-22.*

12. CABINET AND PATTERN MAKING. Prerequisite, course 11. This course takes up the work for the last two years of the high school, and inclines toward vocational education. The work includes wood turning, finishing for cabinet and pattern makers, design as applied to furniture, etc. Outside reading, with papers, discussions, demonstrations and practice teaching is required. *Two hours. 1920-21.*

LATIN

Professor Hart *

Professor Stearns

To train students to read Latin with ease is the chief aim of the instruction in the freshman year. In the later work larger interests prevail. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

Students majoring in Latin will find it to their advantage to take courses in Greek, Modern Languages, English and Philosophy. Those who expect to be recommended as teachers of Latin should take all the courses offered in the department and at least two years of Greek.

All students in Classics are eligible for membership in the Agora of Alfred University—a student-club which meets regularly for the discussion of classical subjects, the reading and production of classical plays, etc.

A. Latin Literature. Cicero (Selected orations); Vergil (*Æneid* I-VI). This course may not be counted toward a major nor toward a minor. Prerequisite, two years of Latin in the high school. *Four hours.*

1. LATIN LITERATURE. Selections from the Roman historians; Cicero (*De Senectute* or *De Amicitia*); Horace (*Odes* and *Epodes*). Collateral readings in Roman history and in the history of Latin literature are required. Prerequisite, Latin A, or its equivalent. *Three hours.*

2. LATIN LITERATURE. Horace (*Satires*); Juvenal (*Satires*); Pliny (selected letters); Martial (selected epigrams). The works of the authors named are read, not only with reference to their literary value, but also for the light which they shed on public and private life in ancient Rome. Prerequisite, Latin 1. *Three hours.* 1921-22.

3. LATIN POETRY. Lucretius will be read and a study made of the origins and later influence of his philosophy. A detailed study of the Latin elegy and the works of Propertius, Tibullus, and Ovid will follow. Prerequisite, Latin 1. *Three hours.* 1920-21.

*Absent on leave.

4. **LATIN LITERATURE.** Vergil (Eclogues, Georgics, and *Æneid* VII-XII) ; Plautus, Terence (selected comedies). Prerequisite, Latin 1. *Three hours.* 1921-22.

5. **LATIN COMPOSITION.** This course is designed for freshmen and other students who have studied Latin writing only in the preparatory course. *Two hours.*

6. **LATIN LITERATURE IN ENGLISH TRANSLATION.** This course will give those who have had little or no Latin something of the content and the spirit of Latin literature. The work includes the reading of the great Latin masterpieces in classic English translations, lectures on Roman writers, and an estimate of the influences of Latin literature upon our own. *Two hours.* 1920-21.

7. **LATIN LITERATURE.** A course in rapid reading of Latin prose authors. Prerequisite, Latin I. *Two hours.*

LIBRARY ECONOMY

Professor Clawson

1. **GENERAL REFERENCE.** This course is designed to give the student an adequate working knowledge of the library and library usage. It consists of lectures on the proper usage of the library and reading room; on the use and care of books, newspapers and periodicals; on the classification and arrangement of books; on the card catalogue, with instruction in its use; on the scope and use of dictionaries, encyclopedias, periodical indexes, government documents and other works of reference, with practical exercises applying the principles and methods discussed. The preparation of reference lists on assigned topics, and an original bibliography will be required as a part of the course. Open to all students; especially recommended for freshmen. *One hour.* No credit given for single term.

MATHEMATICS

Professor W. A. Titsworth

Professor Joseph Seidlin

The aim of the work offered in this department is to present the practical uses and applications of the subjects taught, and to develop the powers of the student to think

clearly, to reason logically, and to express himself accurately and concisely.

Students who major in Mathematics should in their Freshman year elect the five hours required for those who take the engineering course.

1. ALGEBRA. This course is a prerequisite of all other courses in Mathematics and is required of all freshmen. The first few weeks are devoted to a review of factoring, surds, exponents and the like. The advance work consists in a thorough study of the following topics: variation, progressions, binomial theorem, graphs, quadratics, theory of equations, combinations, permutations, probability, determinants, partial fractions and logarithms. *Three hours. I, II. Engineers, Five hours. I.*

2. PLANE TRIGONOMETRY. This course consists of a study of the trigonometric functions and their relationships to each other as well as their application to the solutions of right and oblique triangles. It is required of Engineers. *Three hours. II.*

3. SOLID GEOMETRY. In this course the student becomes familiar with the geometry of the line and plane in space, together with solid figures which they bound such as polyhedrons, cylinders and cones. This course is also required of all freshmen. *Three hours. III. Engineers, Two hours. II.*

4. ANALYTIC GEOMETRY. The Analytic Geometry is a continuation of the study of graphs as begun in the Algebra. Several general loci are studied and then the straight line and conic sections, the circle, ellipse, parabola and hyperbola. *Five hours. III.*

5. SPHERICAL GEOMETRY AND TRIGONOMETRY. This course continues the Solid Geometry and takes up spheres and spherical sections and surfaces. It also takes up the solution of spherical triangles. *Three hours. III. 1921-22.*

6. CALCULUS. The processes of differentiation and integration are studied in detail and particular attention is given to the applications of the derivative to indeterminate forms, maxima and minima and the slope of curves. The applications of the integral calculus to lengths of curves, areas and volumes receive particular attention because of their further use in the study of mechanics. *Three hours.*

7. **SURVEYING.** The course consists of lectures, recitations and field practice with the compass, transit, level and other surveying instruments. Attention is given to the best forms of keeping field notes of surveys, writing descriptions, plotting, computing, and proving work. *Two hours. 1921-22.*

8. **THEORY OF EQUATIONS.** This course covers a complete study of determinants and the solution of simultaneous equations. It also includes a comprehensive study of the theory of equations and the solution of the cubic. *Two hours. I and II. 1920-21.*

9. **DIFFERENTIAL EQUATIONS.** This course is intended to introduce the student to a few standard forms of differential equations and their solution. *Two hours. III. 1920-21.*

10. **HISTORY OF MATHEMATICS.** This is a brief course on the growth and development of modern Mathematics and a study of the men who are responsible for this growth. This course is required of major students. *Two hours. II or III.*

PHILOSOPHY AND EDUCATION

A. Education

Professor Ide

Gladys Bleiman

The courses in this department are arranged to meet in full the requirements of the State Department of Education for the College Graduate Professional Certificate, which, without further examination, qualifies the holder to teach in any school of the state.

Courses 2, 3, 4 and 5, with their prerequisites, fulfill the minimum requirements for the teacher's certificate. It is desirable for the student who chooses teaching as a profession to elect liberally from the remaining courses.

1. **CHILD STUDY.** A study of the physical and mental development of normal childhood and adolescence, planned to meet the needs of those who are interested in the training of children, whether as teachers or otherwise. Prerequisite, Psychology 1. *Two hours. I.*

2. **EDUCATIONAL PSYCHOLOGY.** Application of the principles of general psychology to the educative process. A study will be made of instinctive tendencies and the learning process, together with the methods of measuring intelligence and achievement in school studies. Attention is given to the psychology of adolescence and of the more important high school subjects. Prerequisite, Psychology 1. *Two hours. II, III.*

3. **HISTORY OF EDUCATION.** A historical survey of the evolution of our present educational aims, methods, curricula, and school systems, aiming to develop a clear idea of the meaning and function of education. Prerequisite, Psychology 1. *Two hours.*

4. **PRINCIPLES OF EDUCATION.** An attempt to get an understanding of the fundamental factors involved in education and an intelligent interpretation of their significance, in order to discover the aims and principles which should guide and control educational practices in a society growing democratic. Prerequisites, Psychology 1 and Education 3. *Three hours. I.*

5. **METHODS IN EDUCATION.** (1) General methods in teaching, and the principles which should govern the social relationships of the school both in and out of the class-room. (2) An intensive study of the subject matter and methods of teaching the specific subjects which the student is planning to teach. The work in methods is paralleled by observation of public school teaching. Prerequisites, Psychology 1 and Education 3. *Three hours. II, III.*

6. **HIGH SCHOOL ADMINISTRATION.** A study, from the point of view of the principal and the teachers, of the problems of organization and management of the high school, considering (1) relation to community conditions, needs, and aims, (2) prospective life careers of the students, (3) the material equipment and support of the school, and (4) the co-operation of teaching and supervising staff and the controlling board. Open to juniors and seniors. *Three hours. III.*

7. **PRACTICE TEACHING.** This course consists of a period of teaching of a class in a local secondary school preceded by a period of observation of the same class. The pupil teacher has the benefit of the class teacher's crit-

icism and the general supervision of the Educational Department. Open only to seniors whose previous work in the department gives promise of professional success, and who have in addition the recommendation of the departments responsible for the subjects which they expect to teach. *Two hours credit. I, II, or III.*

8. **RELIGIOUS EDUCATION OF THE CHILD.** Offered by the department conjointly with President Davis, and Dean Main of the Theological Seminary. Open to juniors and seniors and interested members of the community such as parents and teachers, who may care to register for the course. In no sense sectarian. Its aim is to meet the problem of the early religious education of the child in such a way that there may be nothing to unlearn in his later contact with science and philosophy, thus avoiding the danger of a break in experience or a violent religious reconstruction. *Two hours. II.*

9. **SOCIAL PHASES OF EDUCATION.** An interpretation of the factors and processes of education in terms of their social meaning and function. This is a supplementary course to Sociology 4 and attempts to study the socializing effects of educational work among the immigrants, in the community centers, and in the industrial plants. Arrangements will be made for field work in the community activities. This will be accompanied by thorough theoretic representation of the problems and by the study of the current literature. *Three hours. II.*

For other special "Teacher's Courses" see Biology 8 and 9, French 6 and German 6.

For the education of subnormal children, see Psychology 3b.

B. Philosophy

Gladys Bleiman

Psychology 1 is the prerequisite to the courses in Philosophy. Students are advised to consult the instructor before making elections.

1. HISTORY OF PHILOSOPHY.

(a) **Ancient Philosophy.** A survey of the rise and de-

velopment of philosophy from its beginnings among the Greeks to the modern period. Attention will be given to the rise of science from philosophical speculations, and to the contributions of the ancients to later times in the light of historical perspective. *Three hours. I.*

(b) Modern Philosophy. A study of modern philosophical thought with an emphasis upon its relation to current literary, political, social, and religious movements. *Three hours. II, III.*

2. INTRODUCTION TO PHILOSOPHY. A critical and constructive consideration of the fundamental problems of philosophy: theory of knowledge, metaphysics, ethics and æsthetics. The purpose of the course is to aid the student in the formulation of a satisfactory theory of the world and of life. *Two hours.*

The Philosophical Club in connection with this department, which meets regularly during the college year, offers opportunity for the discussion of various phases of current philosophy.

C. Psychology

Professor Ide

Gladys Bleiman

1. ELEMENTARY PSYCHOLOGY AND LOGIC. A study is made of human nature and behavior. A general survey is followed by a more detailed examination into the mental factors involved in reasoning, inductive and deductive, including the fallacies to which such reasoning is exposed. The student is encouraged to make constant application of his knowledge in the interpretation and control of his own life of thought, feeling and action, and in the critical estimation of the attitudes and inferences of others. Required of Sophomores. This course may not be counted toward a major. *Two hours.*

2. APPLIED PSYCHOLOGY. A survey is offered of the more important practical applications of psychology as thus far developed. The psychology of advertising, of industrial and personal efficiency find a place here. *Three hours for one term.*

3. ABNORMAL PSYCHOLOGY—

(a) Mental Hygiene. The nature of various neuroses and insanities will be considered with special reference to their prevention. The Freudian theory of the origin and influence of the subconscious finds a place here. Personal efficiency and mental hygiene will be stressed.

(b) The Diagnosis and Treatment of Exceptional and Feeble-minded Children. A study of the causes of mental defectiveness, methods of diagnosis, and the education of the subnormal child. Much emphasis is placed upon mental tests and opportunity provided for practice in the technique of their application. Neurotic tendencies, and the influence of injuries and diseases on the normal development of the child find a place here. A valuable course for the prospective teacher, physician, or social worker. Prerequisite, psychology 1. *Two hours. II, III.*

4. EXPERIMENTAL PSYCHOLOGY. This course is aimed primarily to familiarize the student with laboratory methods in general psychology and set forth representative results which have been obtained in the various fields. Individual research on a specially chosen problem may be carried on by each pupil during the latter half of the term.

(a) Sense Processes. A study will be made of the psychological laws of sense processes and the functioning of sense material in perception and judgment. Two hours recitation and one two-hour laboratory period per week.

(b) Memory and Thought Process. A study of association, retention, recall, imagery, reaction time, practice, transfer of training, etc. Special attention will be given to experimental results in each field. *Three hours.*

D. Sociology

Professor Ide

2. CONTEMPORARY SOCIAL PROBLEMS. A study of sociological subjects of present interest, such as the modern family, industry, poverty, crime, degeneracy, immigration, feminism, etc. Each student is required to prepare a paper based upon intensive study of some specific problem. Open to Sophomores. *Two hours. 1921-22.*

3. **PRINCIPLES OF SOCIOLOGY.** Deals with the nature and laws of human society, the primary social factors, social groupings, and the process of social evolution which has produced our present society. Course 2 should precede this if possible. *Two hours. 1922-23.*

4. **COMMUNITY RECREATION.** The place of recreation, (leisure-time interests and activities) in individual and community life. The relations of recreation with community welfare, family life, education, industry, and religion. Its relation to personal and community degeneracy and crime. Commercialized recreation and community provision for recreation. The community center and the playground movements. How some communities are meeting their recreation needs. Community programs for recreation, pageantry, music, art, field days, playgrounds, athletic contests and tournaments, etc. Sources of literature and materials. Open to sophomores but preferable for juniors and seniors. *Two hours. I.*

PHYSICAL EDUCATION

Professor Wesbecher

Amey D. Van Horn

1. **PHYSICAL TRAINING.** A course intended to interest students in physical training and to form in them right habits of exercise and hygienic living. Vital and physical examinations will be given and exercises prescribed. Course open to all college students. Freshman year, *Two hours.* Sophomore year, *Two hours.*

For men there are special classes in gymnastics, calisthenics and military training. Guns are provided for drill work.

For women the work is divided approximately as follows:

(a) **INDOOR WORK.** Lectures on hygiene and the physiology of exercise; gymnasium work, including marching, calisthenics, exercises with light apparatus, folk dancing, games and basket ball. From Thanksgiving to the spring recess.

(b) **OUTDOOR WORK.** Fall: Hiking, tennis tournament and golf.

Spring: Hiking, tennis, golf, baseball and track.

*PHYSICS

Professor Joseph Seidlin

1a. GENERAL PHYSICS. A course in general physics for those who have had high school physics, although persons who have not had the high school preparation may be admitted to the class. The student should have studied algebra, plane geometry and plane trigonometry. Special emphasis is laid on the application of principles studied in this course to natural phenomena and the common occurrences of daily life. The lectures are illustrated by demonstrations as far as possible. It is expected that the laboratory course 1b will be taken in connection with this course. First term, mechanics and heat; second term, magnetism, electricity, light and sound. *Three hours.*

1b. GENERAL PHYSICS LABORATORY. This course is planned to accompany course 1a, but will be open to any who have had a lecture course in general college physics without the corresponding laboratory work. Typical experiments illustrating the principles of physics are performed by the student in a well equipped laboratory. Experiments will also be written up in the laboratory. About twenty-five experiments will be performed during the year. Two double laboratory periods a week. *Two hours.*

2a. LIGHT. An advanced course in this subject, following a standard text such as Edser's *Light for Students*. Open to those who have had Course 1. *Three hours. I. 1921-22.*

2b. HEAT AND MAGNETISM. A continuation of Course 2a and open to students who have had Course 1. *Three hours. II. 1921-22.*

2c. ELECTRICITY. An advanced course in the Theory and practical application of the principles of electricity. Open to students who have had Course 2b. *Three hours. III. 1921-22.*

3. ELECTRICAL MEASUREMENTS. Laboratory course accompanying Physics 2c. *Four hours. III.* This course is required of major students. 1921-22.

4. MECHANICS AND APPLIED PHYSICS. This course is open to any student who has taken Calculus and Physics 1. It covers a thorough mathematical discussion of many physical problems. *Three hours.*

5. HISTORY OF PHYSICS IN ITS ELEMENTARY BRANCHES. This course is recommended to major students. *Two hours.*

* Those who take a major in Physics will count freshman mathematics as required work. Calculus should be taken as early in the course as possible.

PUBLIC SPEAKING

Arlotta Bass Mix

1. FUNDAMENTALS OF SPEECH. The work of this course will consist of the study of the fundamentals that lead to the following branches: conversation, common reading, interpretation, impersonation, public speaking, dramatics, and oratory. Each student will do individual work in all of these branches. *Two hours.*

2a. INTERPRETATIVE READING. This course is open to students who have taken Fundamentals of Speech, or the equivalent. Aside from interpretation, there will be work in impersonation, dramatics, and play production. *Two hours.*

2b. EXTEMPORANEOUS SPEAKING. This course is open to students who have taken Fundamentals of Speech or the equivalent. The work is designed to meet the needs of the public speaker; that is, the preacher, business man, lawyer, etc. *Two hours.*

RELIGIOUS EDUCATION

A major in Religious Education may be obtained by a selection of twenty-four hours or more from the courses listed below, or from a combination of these courses and those under Biblical Languages and Literature, pages 34, 35.

For a fuller description of the courses mentioned below, see the catalogue of Alfred Theological Seminary. Four-hour courses may usually be pursued two hours a week for two terms, if students prefer. Those who major in Religious Education should elect as collateral work history, physiology, educational psychology, child-study, and public speaking.

1. Biblication Introduction. *Four hours.*
2. Religion of the Old Testament. *Four hours.*
3. Religion of the New Testament. *Four hours.*
4. Social Ethics of the Bible. *Four hours.*
5. The Bible as Literature. *Four hours.*
6. Religious Pedagogy. *Four hours.*
7. Christian History. *Four hours.*
8. Christian Doctrine. *Four hours.*
9. Christian Ethics. *Four hours.*
10. History of Religion. *Four hours.*
11. Philosophy of Religion. *Four hours.*

ROMANCE LANGUAGES

Professor Mix

Professor Landwehr

Mr. Felicetti

Students majoring in this department will find it greatly to their advantage to do as much work in the related subjects of English, Philosophy, European History, and Ancient Languages as is consistent with a liberal education.

Students who expect to be recommended to teach French should take all the work offered in it, and those looking forward to possible graduate study in the same should take at least freshman Latin.

French courses Nos. 1 and 2 cannot be counted toward a major, nor No. 1 toward a minor.

A French circle is organized each year, meeting one evening every second week. French games and songs, as well as other exercises that afford opportunity for conversation in French, are used. Any students who have had two or more years of French may be admitted.

A. French

1. BEGINNING FRENCH. The essentials of grammar; oral and written composition; pronunciation; and translation. For juniors and seniors eight hours' credit only. No credit for a single term. *Three hours.*

2. ELEMENTARY FRENCH. Rapid reading of French of medium difficulty; grammar; dictation; and oral and written exercises. *Three hours.*

3. INTERMEDIATE FRENCH. Extensive and intensive reading from the French writers of the sixteenth, seventeenth, eighteenth and nineteenth centuries. Lectures and reports. Composition, grammar, and conversation. Prerequisite, French 2 or three years of high school French. *Three hours.*

4. NINETEENTH CENTURY FRENCH LITERATURE. A survey study of the fiction, poetry, and drama of the nineteenth century. Lectures, assigned readings, and reports. Composition and conversation. Prerequisite, French 3. *Three hours.*

5. FRENCH PRONUNCIATION. Practice in writing and reading of French phonetics. Drill on difficult sounds and much reading of French aloud. *One hour. I.*

Usually only one of the following courses is given in any one year. None of them will be offered in 1921-22 unless there is a special demand.

6. FRENCH NOVEL. A survey of the French novel from the beginnings down to the present. Lectures, assigned readings, and reports. Composition and conversation. *Three hours.*

7. CLASSICAL FRENCH LITERATURE (Exclusive of Moliere). A detailed study of the works of Boileau, Corneille, Racine and Lafontaine. Lectures, assigned readings, and reports. *Three hours. 1920-21.*

8. MOLIERE. An intensive study of the life and works of Moliere. All the important works of Moliere will be read. Lectures, assigned readings, and reports. *Two hours.*

9. MODERN FRENCH DRAMA. A study of the prose and poetic drama of the nineteenth century, including the contemporary French drama. Lectures, assigned readings, and reports. *Three hours.*

10. LITERARY CRITICISM. A history of literary criticism from Aristotle down to the present day, including a study of Greek, Latin, French, German, English, and American critics. Exercises in the application of the principles of literary criticism. This is a course in comparative literature and the reading may be done in English translation, where necessary. Open to all juniors and seniors. *Three hours.*

11. TEACHING OF MODERN LANGUAGES. Discussion and demonstration of methods; observation and practice teaching. *One hour.*

B. Spanish

1. BEGINNING SPANISH. The essentials of grammar; oral and written composition; pronunciation, conversation and translation. No credit for single term. *Three hours.*

2. ELEMENTARY SPANISH. Essentials of grammar; oral and written composition; pronunciation, conversation and translation. Study of prominent authors. Outside reading. *Three hours.*

3. ADVANCED SPANISH COURSE. Readings from Spanish Classics with special emphasis on pronunciation, conversation, composition and correspondence. *Three hours.*

STENOGRAPHY AND TYPEWRITING

Ruth L. Phillips

STENOGRAPHY. This course includes the principles of shorthand, practice in dictation, and actual office work. Pernin's Universal Phonography is used as a text-book. *Two hours.*

TYPEWRITING. A practical course in the touch system conserving muscular and nervous energy. *Two hours.*

Department of Music

Ray Winthrop Wingate, Director—Professor of Vocal Music

Ada Becker Seidlin—Professor of Pianoforte

The Department of Music offers courses in the practical and theoretical study of music, and is designed to fit students for the profession as artists, theorists, teachers or critics.

The general plan is twofold:

First—To give an opportunity to those who desire to make a serious study of music with a view to a professional career.

Second—To offer instruction to those who wish to specialize in some branch for their own personal satisfaction.

Courses of Instruction

At the present time six branches are offered: piano, voice, organ, public school music, violin, cornet, besides an extended course in harmony, theory and history of music.

These courses lead to a certificate of merit, a diploma of graduation, and a post-graduate course diploma.

Piano

The application of selected studies for overcoming difficulties, the study of memorizing for analytical insight, the study of interpretation for artistic performance, and, in general, the gradual development by means of modern technique, are the methods used in this department for the training of the student. An intellectual understanding of a composition and the artistic interpretation will be the result of the application of these principles. *Two hours credit for one term's work.*

The courses in Piano are as follows:

PIANO 1. The New England Conservatory Course, grade 1, with 1st grade pieces.

PIANO 2. New England Conservatory Course, grade 2, and selections from the Etudes of Kohler, Lemoine, Duvernoy, Burgmuller and Brauer, together with 2d grade pieces.

PIANO 3. Selections from the Etudes of Berens, Le-Couppéy, Krause, Czerny and Jensen from the 2 Part Inventions of Bach, together with 3d grade pieces.

PIANO 4. Selections from the studies of Cramer and from the 3 Part Inventions of Bach. Scales, arpeggios, and double thirds in all keys. 4th grade pieces.

PIANO 5. Selected studies from Czerny op. 740 and the Gradus ad Parnassum of Clementi, together with 5th grade pieces.

PIANO 6. Selections from the Preludes of Chopin, Etudes of Moscheles, op. 70, Preludes and Fugues of Bach, Etudes of Chopin, of Liszt, and of other composers. One or more concertos selected from the works of Beethoven, Schumann, Chopin, Liszt, Tschaikowsky, Grieg and St. Saens. 6th grade pieces.

PIANO 7. (Post-graduate). The most difficult pianoforte music, comprising selections from the works of Beethoven, Schumann, Chopin and Liszt, and from the works of Claude Debussy, Vincent D'Indy and Gabriel Faure of the Modern French School, together with the most difficult pianoforte concertos.

Methods for producing refined tone, phrasing, and pedalling are taught in all of the piano courses.

Voice

Here the work demands a study of pure and resonant vocal sounds, to develop the capacity for producing such tones, to strengthen the voice and extend the range. The ear is a very great factor in the vocal world—thus it must also be trained. If started at an early age the great majority, contrary to the commonly accepted idea, could learn to sing and cultivate the art of singing. *One hour credit for one term's work.*

Preparatory Course

Fundamental principles of voice building. Position while singing, natural methods of breathing, vowel studies and tone placement.

Easy songs by composers of the old classical school. Studies and vocalizations by Garcia and Panofka.

Intermediate Course

Sight reading and ear training; vocalizations for enunciation and phrasing; studies from Panofka, Concone, and Garcia. Selected songs from the old Italian school.

Advanced Course

Phrasing and coloring of tone. Artistic interpretation; songs from the English and Italian composers of the modern school. Studies from Mazzoni, Lieber, Vaccai, etc.

Post-Graduate Course

For students who desire further knowledge of the art either as teacher or advanced soloist. Songs of both sacred and secular nature. Arias from the standard operas and oratorios. Songs from the modern composers of the French, German and Italian schools, special stress being laid on diction and interpretation.

Organ

The completion of the elementary grade of the piano course is required for admission to the organ course. This course is designed especially to provide a thorough and complete education as a choir master and organist.

It consists of the study of manuals, manual touch, easy registrations, pedal playing, compositions for church service and concert performance, choir training, etc. *One hour credit for one term's work.*

Harmony

1. Fundamental principles of harmony, origin and development of the major and minor scales and intervals; chords and their inversions, circle of major and relative minor keys; ear training, harmonizing melodies, modulation. *First term.*

2. Dominant seventh, ninth, eleventh and thirteenth chords, altered and dissonant chords, ear training and modulation, harmonizing, melodies, four part harmony, both major and minor. *Second term.*

3. Suspensions and retardations; changing and passing tones; modulations, key board modulation; pedal or organ point; original work in composition. *Third term.*

4. Vocal or open harmony; modulations, chords of five or more parts; practical application of harmonic principles in original work. Key board harmony. Original compositions. *Fourth term.*

The text-book used is that of George W. Chadwick, director of the New England Conservatory of Music. *Two hours credit for each term.*

Normal Courses

Normal courses in Pianoforte and Voice are offered to those students who desire to teach either Piano or Voice. The students are required to teach pupils in the class room after having received a Course of Preliminary lectures and demonstrations. All candidates for the Diploma of the University Music Department in the Piano or Voice Teachers' Course are required to take the full Normal Course which consists of three terms. *One hour credit for each term.*

Theory

This course begins with the acoustics, vibrations and their governing laws; notation, orchestral instruments, musical forms, clefs, scale formulas, tempo marks, abbreviations in general use in music; analyzing song forms, fugues, sonatas, overtures, etc. The text-book used is that of Louis C. Elson. *One hour credit for one term.*

History of Music

Origin and development of the music of ancient and oriental nations. History of the mass; oratorio, opera, symphony, sonata, overture; development of musical instruments; biographies of the great romantic, classic, and modern composers. *One hour credit for one term.*

Teacher's Course for Supervisors and Teachers of Public School Music

The purpose of teaching music in the public schools is three-fold.

First—To enable the largest possible number of children to participate correctly and tunefully in the singing.

Second—By this means to develop in them a love and taste for good music.

Third—To teach as many of the principles and as much of the practice of sight singing as is possible under the circumstances.

This course is the course used at the New England Conservatory of Music by Samuel W. Cole. It begins with the very first day in school, presents all the difficult problems through all the grades and gives the student a thorough understanding of all the conditions that may arise.

Each student will have direct application of all the steps used in the class room by teaching the class as if it were composed, not of fellow students, but children. The ground is thoroughly covered from the first rote song to high school choruses and cantatas. *Two hour credit for one term.*

All pupils who desire to graduate in The Public School Music course must have at least three terms of each of the following: Voice, Piano, Harmony, Theory, History of Music, Public School Music Methods. *Two years study is required.*

The Department of Music receives each year a large number of inquiries for well equipped teachers in Public School Music. There are many positions as Supervisors of Music which demand well trained teachers. A large number of our recent graduates hold such positions.

A Certificate is given each student who satisfactorily completes this course. No student is allowed a recommendation to supervise and teach public school music without this certificate. In the majority of cases no examination is required of supervisors of music who are recommended by the Director of Music, to teach music in the public schools. The demand for teachers and supervisors is greater than the number that graduate. *Ten hours of observation in music classes is required.*

Solfeggio

This course consists of a thorough drill in sight singing and sight reading. Its aim is not only for one to be able to participate in musical composition at sight but to be able

to read at sight, thus enabling one to follow another who is singing both tunefully and correctly. Solfeggio consists of exercises for the voice according to the rules of solfaing. Ear training is a very important factor in Solfeggio, thus this course includes both ear training and sight singing. Pupils are trained to write, in correct notation, musical phrases which are played or sung to them, beginning with the simplest phrase and progressing until difficult melodies in either major or minor can be notated with ease. *One hour credit for one term.*

Chorus

The university chorus, a large body consisting primarily of students but excluding none of the townspeople who can pass the required examination, is the greatest musical organization of the school. The chief aim is to give at least one of the productions of the great masters, in the line of oratorios, opperettas, and cantatas. The chorus consists of over one hundred voices. This year the chorus will present the opera, "Pinafore" by Gilbert & Sullivan. *One hour credit per year.* A small fee will be charged. The chorus presented the "Holy City" by Gaul twice in 1913, the "Wreck of The Hesperus" by Anderton and "Queen Esther" by Bradbury in 1914; Sullivan's "Prodigal Son," in 1915; "Paul Revere's Ride" by Busch in 1916; Old and Modern Glees in 1917; Operetta "Bo'sn's Bride" by Inch and Rhys-Herbert, 1918; Operetta "Bulbul" by Rhys-Herbert, 1919; "The Creation," by Haydn, 1920.

Glee Club

The College Glee Club is composed of sixteen male voices chosen by competition. Trips have been made by the club to New York City, New Jersey and up-state cities of Buffalo, Rochester and smaller towns. The plans are under way for a trip this year to New York City, New Jersey and nearby-towns and cities in the spring. Information concerning the Glee Club dates and terms may be obtained by writing the Director of Music. *Two hours credit for one year.*

Violin

Benjamin Volk—Student Assistant

Scales and exercises. Studies by de Beriot, Sevcik. Solos by Sitt, David, de Beriot, etc.

Cornet

Carlos C. Camenga—Student Assistant

Scales, Exercises by Rollinson, Winner, etc.

Recitals

Throughout the year recitals are given by members of the faculty and advanced students to which the public are cordially invited. No admission is charged.

Recitals are given once a month by the students before an audience of friends and fellow students. These recitals are not exhibitions, but are intended to give the pupil experience in public performing.

The school year in this department consists of three terms of twelve weeks each. It is earnestly requested that students register at the beginning of each term, but special students may enter at any time for private instruction.

Lessons, regularly assigned, if missed, cannot be made up, unless on account of illness and then only upon application to the instructor. Thus lost lessons are a loss to the pupil. Unavoidable lost lessons must be made up before the next term begins.

No student will be registered for less than a term's work, (twelve lessons).

A thorough drill in stage deportment is given free to all registered students.

Students in the piano course before receiving a diploma must have at least three terms of harmony, theory and history of music, solfeggio and chorus. In the vocal course at least, three terms each of piano, harmony, theory, solfeggio, chorus and history of music.

Any of the above courses may be taken by students of the college as elective courses, for which they receive the given credit up to an amount not to exceed twenty-one term hours.

If sufficient demand be made by the students for other instruction than above offered the department will endeavor to secure the required instructors.

All instruction in piano, voice, organ, violin, cornet, is private; in all other subjects, in class.

Tuition

Per Term (Twelve Weeks)

Elementary Course—

Voice, one lesson per week.....	\$12 00
Piano, one lesson per week.....	24 00
Violin, one lesson per week.....	12 00
Cornet, one lesson per week.....	12 00

Advance Course—

Voice, one lesson per week.....	18 00
Piano, one lesson per week.....	36 00
Organ, one lesson per week.....	24 00
Harmony, two lessons per week.....	15 00
Theory, two lessons per week.....	15 00
Music History, two lessons per week.....	10 00
Public School Music, two lessons per week.....	15 00
Solfeggio and Ear Training, two lessons per week..	10 00
Voice or piano, Teacher's course.....	24 00

Tuition is payable strictly in advance, unless otherwise arranged, at the office of the college treasurer.

Needy students, found worthy, may receive special assistance and partial free scholarships from the Director of Music.

Students leaving or discontinuing lessons during the term time forfeit all payment, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term.

Degrees Conferred

1920

BACHELOR OF ARTS

Jean Angelia Baxter	Mechanicville
John White Clark	Wilcox, Pa.
Grace Louise Cross	Canisteo
Lois Augusta Cuglar	Messena
John Francis Cullinan	Silver Springs
Muriel Stephens Earley	Andover
Margaret Huldah Everson	Fort Plain
Kathryn Christine Hurd	Genesee, Pa.
Sara Esther Jones	Alfred
Helen Bishop Kies	Bowling Green, Ky.
Catherine Elizabeth Langworthy	Alfred Station
Dorothy Iola Lanphere	Little Genesee
Elizabeth Luceba Latimer	Arkport
Hollice Edna Law	Ellicottville
Elmer Stephens Mapes	Canaseraga
Ruth Fitz Randolph	Great Kills
Marion Reed Roos	Buffalo

BACHELOR OF SCIENCE

Charles Milton Carter	Almond
Walter Francis King	Alfred
James Norbert McTighe	New York
Grayden Elwood Monroe	Alfred Station
William George Nichols	Bolivar
Alfred Lee Pollock	Argyle
*Winfield Wells Fitz Randolph	Alfred
Harry Jason Smith	South Dansville
Edna Adaline Straight	Almond
Gustave Adolph Vossler	Wellsville

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

Louis Parsons Collin	Red Hook
Henry Waldron Harrington	Oxford
Sherman Spicer Kenyon	Westerly, R. I.
Frank Earley Lobaugh	Ridgway, Pa.
William Harold Reid	Elmira
†Mark Sheppard	Alfred
Robert Ford Sherwood	Hornell

BACHELOR OF SCIENCE IN CERAMICS

George Blumenthal, Jr.	New York
------------------------	----------

BACHELOR OF SCIENCE IN APPLIED ART

Beatrice Streeter	Bolivar
-------------------	---------

*As of the class of 1918

† As of the class of 1919

Honors

1920

SENIORS

High Honors

Muriel Stephens Earley

Class Orator

Gustave Adolph Vossler

Honors

Margaret Huldah Everson

Helen Bishop Kies

Elizabeth Luceba Latimer

Marion Reed Roos

Department Honors

Jean Angelia Baxter

Grace Louise Cross

Lois Augusta Cuglar

Muriel Stephens Early

Margaret Huldah Everson

Helen Bishop Kies

Elizabeth Luceba Latimer

Elmer Stephens Mapes

William George Nichols

History and Political Science;
English

Modern Languages; History
and Political Science

English

English; Latin

English

English; Modern Languages

Latin and Greek

History and Political Science
Chemistry; History and Po-
litical Science

Philosophy and Education

Chemistry

History and Political Science;
Modern Languages

Ruth Fitz Randolph

Winfield Wells Fitz Randolph

Marion Reed Roos

JUNIORS

Charles Willis Alsworth

Eloise Tacie Clarke

Alfred Burdet Crofoot

George Dewey Ford

Winifred Greene

Leon Edwin Haynes

Isabel Darling Mack

Emma Rosina Schroeder

Ruth Alberta Stillman

Ada Margaret Walsh

SOPHOMORES

Robert Hood Armstrong

William Donald Bassett

Florence Belle Bowden

Grace Alma Haggerty

Harry Kadlebowsky

Mildred Imogene Noble

Orval Lawrence Perry

Frederick August Schroeder

FRESHMEN

Dorothy Isabel Ashforth

Irwin Alexander Conroe

Hazel Virginia Gamble

Dorothy Langworthy

Julia Grace O'Brien

Raymond H. Sholtz

Helen Smalley

Fredericka Louise Vossler

The cup offered by the Twentieth Century Club to the one of the two lower classes making the highest scholastic average, has been won this year by the Sophomore class.

The Ceramic and Chemistry Medal which is offered to that student majoring in Chemistry or Ceramics who has the highest scholastic average in all of his studies during the Sophomore and Junior years has been awarded this year to Leon Edwin Haynes

Register of Students

1920-1921

GRADUATES

Name	Residence	Course
Yang, Chen-Hsun, S. B.	Changsha, China	*Eng.

SENIORS

Ackerly, Mary Louisa	Cuba	*Art.
Allen, Isaphene Olive	Farina, Ill.	Clas.
Alsworth, Charles Willis	Arcade	Sci.
Atz, Samuel David	Alfred	Sci.
Banghart, Margaret Gertrude	Glen Gardner, N. J.	Sci.
Benson, Esther Irene	Rochester	Clas.
Burdick, Tina Emily	Alfred Station	*Art.
Campbell, Marian Frances	Pleasantville, N. J.	Sci.
Clarke, Eloise Tacie	Andover	Clas.
Clerke, Leah Madeline	Spring Valley	*Art.
Crofoot, Alfred Burdet	Shanghai, China	Sci.
Croxford, Hazel Wilhelmina	Cohoes	Clas.
Davis, Boothe Colwell, Jr.	Alfred	Sci.
Davis, Gladys Maralyn	Alfred	*Art.
Emerson, Isabel Spencer	Hornell	Clas.
Fassette, Bertha Izobele	Adams Center	Sci.
Ford, George Dewey	Hornell	*Eng.
Greene, Winifred	Alfred	Clas.
Hill, Helen Louise	Ashaway, R. I.	Clas.
Liu, Shu-Yung	Peking, China	*Eng.
Lown, Anna Elvira	Gerry	Clas.
Lyttle, Frobisher Theodore	Whiting, Ind.	*Art.
Mack, Isabella Darling	Yonkers	Clas.
Neuwiesinger, Margaret Sarah	Califon, N. J.	Sci.
Place, Thomas Maxson	Alfred	*Eng.
Plank, Ross Dewey	Hornell	*Eng.
Randolph, John Fitz	Nile	Clas.
Randolph, Sarah Fitz	Great Klils	Sci.
Randolph, Wardner Titsworth Fitz	Alfred	Clas.
Robison, David Vincent	Salamanca	*Eng.
Schroeder, Emma Rosina	Nanuet	*Art.
Stillman, Ruth Alberta	Alfred	Clas.
Van Horn, Amey Doris	Verona	Sci.
Walsh, Ada Margaret	New York City	Clas.
Wilber, Doris Evelyn	Allegany	Clas.
Witter, Ray Charles	Warsaw	Clas.
Worden, Dean Maxson	Brookfield	Sci.
		*Ceramics.

JUNIORS

Name	Residence	Course
Armstrong, Robert Hood	Alfred	*Eng.
Ayars, Elizabeth Dilks	Shiloh, N. J.	Clas.
Banks, Stanley Day	Horseheads	Sci.
Bassett, William Donald	Alfred	*Eng.
Beebe, Clifford Averill	Coudersport, Pa.	Clas.
Bowden, Florence Belle	Shiloh, N. J.	Clas.
Boyd, Robert Alexander	Wellsville	*Eng.
Burdick, Donald Langworthy	Ashaway, R. I.	Sci.
Clark, Robert Fairchild	Hornell	*Eng.
Coffin, Leon Benjamin	Nunda	*Eng.
Compton, Max Deforest	Alfred	*Eng.
Crofoot, Anna	Shanghai, China	Clas.
Cullinan, James William	Silver Springs	*Eng.
Davis, Harold Lester	Leonardsville	Sci.
Dougherty, Russell James	Paterson, N. J.	Sci.
Dwight, Leon Clyde	DeRuyter	Sci.
Ells, Leon Elmer	Alfred	*Eng.
Faulstich, Mildred Charlotte	Oswego	Sci.
Ferry, Oliver Winfred	Almond	*Eng.
Glaspey, Margaret Bonham	Shiloh, N. J.	Sci.
Haynes, Audrey Elvie	Cuba	Clas.
Hunt, Cynthia Martin	Chicago Heights, Ill.	*Art.
Husted, Saron M.	Woodhull	Sci.
Noble, Mildred Imogene	Cohocton	Sci.
Peck, James Clair	Hornell	*Eng.
Perry, Orval Lawrence	Bolivar	Clas.
Stillman, Laura Marie	Alfred	*Art.
Walker, Thomas Christopher	Wellsville	*Eng.

*Ceramics

SOPHOMORES

Name	Residence	Course
Ahern, Theodore James	Highlands, N. J.	*Eng.
Ashforth, Dorothy Isabel	Brooklyn	Clas.
Baldwin, Henry Clinton	Lakemont	*Eng.
Beebe, Marjorie Hanna	Alfred	Clas.
Bliss, Burton Thurston	Bolivar	Clas.
Board, James Wilbor	Buffalo	*Eng.
Campbell, Robert Morrell	Passaic, N. J.	*Eng.
Canfield, Gertrude Evangeline	Friendship	Sci.
Carissimo, Marius Felicetti	New York City	Sci.
Caso, Valentino	New York City	Sci.
Claire, Elzora	Alfred Station	Sci.
Cole, Sandford Stoddard	Hornell	*Eng.
Conroe, Irwin Alexander	Elizaville	Clas.
Cottrell, Beatrice	Plainfield, N. J.	Clas.
Crandall, Helena	Alfred Station	Clas.
Crandall, Marcus Alston	Ashaway, R. I.	Sci.
Dougherty, Edmund Thomas	Millington, N. J.	Sci.
Dougherty, Leon Augustine	Millington, N. J.	*Eng.
Eagle, Jacob Eugene	Friendship	*Eng.
Emerson, Margaret Virginia	Alfred	Clas.
Feig, Chester Andrew	West Almond	Clas.
Ford, Nelle Hevener	Clarksburg, W. Va.	Clas.
Gamble, Hazel Virginia	Alfred	Clas.
Gorton, Vera Leslie	Honeoye, Pa.	Clas.
Greene, Gladys	Alfred	Clas.
Hayward, Ethel Mae	Bolivar	Clas.
Hinchcliff, Henry	Cohoes	Sci.
Holley, Kenneth Eugene	Elmira	*Eng.
Holmes, Henry Maxon	Alfred	*Eng.
Irish, Mary Elizabeth	Alfred	*Art.
Kershaw, Charlotte Louise	Silver Springs	Sci.
Lake, Charles Clayton	Hornell	*Eng.
Langworthy, Dorothy	Westerly, R. I.	Clas.
Larrabee, Martin Marcelle	Wellsville	*Eng.
Lyman, Robert Henry	Fillmore	Clas.
McMahon, John Francis	Cohoes	*Eng.
Merrill, Anna Abigail	Albany	*Art.
O'Brien, Julia Grace	Hillsdale, N. J.	Clas.
Randolph, Janette Fitz	Alfred	Clas.
Randolph, Virginia Fitz	Great Kills	Clas.
Slough, John Dayton	Wellsville	*Eng.
Smalley, Helen	Friendship	Clas.
Smith, Leon Burdick	Alfred	*Eng.
Stearns, George Frye	Portland, Me.	Clas.
Stryker, Henry Cornell, II	Bernardsville, N. J.	*Eng.
Teal, Edward John	Orchard Park	Clas.
Volk, Benjamin Maurice	Albany	Clas.
Vossler, Fredericka Louise	Farmingdale, N. J.	Clas.
Vossler, Mary Lucretia	Farmingdale, N. J.	Clas.
Whitford, Alfred West	Alfred	*Eng.
Woodward, Marion Frances	Millbury, Mass.	Clas.

*Ceramics.

FRESHMEN

Name	Residence	Course
Allen, Mildred Elizabeth	Punxsutawney, Pa.	Clas.
Ames, Morris Seiler	Watson town, Pa.	*Eng.
Andrews, Mildred Leota	Boulder, Colorado	*Art.
Babcock, Mildred Martha	Massena Springs	Clas.
†Baldwin, Joyce Mabel	Lakemont	*Art.
Barron, Blakeslee	Addison	*Eng.
Barth, Eleazer	Paterson, N. J.	Sci.
†Bogart, George Harry	Elmira	*Eng.
Boyd, Dorothy Melvinia	Allentown	Sci.
Brown, Edith Gertrude	North Troy	Clas.
Camenga, Myrtilia Elmina	West Edmeston	Clas.
Campbell, Edward McAllister	Passaic, N. J.	*Eng.
Charniak, Samuel	Paterson, N. J.	Sci.
Clark, Horace Norton	Phoenicia	Clas.
Clark, Rollin Francis	Hornell	*Eng.
Coleman, Mary Melvina	Belmont	Sci.
†Collson, Harold Monroe	Elmira	*Eng.
Crites, Ruth Harriette	Hornell	Clas.
Cunningham, Henry James	Paterson, N. J.	*Eng.
†Davis, Meredith Everett	Pitman, N. J.	*Eng.
Desai, Vaikunthrai Madhavlal	Bombay No. 4, India	Sci.
†Dickinson, Alice May	Utica	Sci.
†Drummond, Theodore Wilford	Alfred	*Eng.
DuBois, Hascall	Delhi	*Eng.
Eaton, Ernest Elwyn	Syracuse	*Eng.
Eustace, Edna Rosellen	Castile	Sci.
Gardiner, Frances Adean	Alfred	Clas.
†Gibson, Frank Winans, Jr.	West Roxbury, Mass.	Sci.
†Gillson, Meta Elsie	Hornell	*Art.
Gorab, Frederick	Paterson, N. J.	Sci.
Gorton, Howard Frank	Honeoye, Pa.	Clas.
†Griffith, Howard Marion	Seaford, Delaware	Sci.
Gross, Margaret Louise	Arkport	Clas.
Hackett, Gladys	Smethport, Pa.	Clas.
Haynes, Breta Cordelia	Cuba	Clas.
Houghtaling, Anna Elizabeth	Penn Yan	Clas.
Hunting, Everett Curtis	Plainfield, N. J.	Sci.
Johnson, Paul Victor	Jamestown	*Eng.
†Jordan, Max Clinton	Nile	Sci.
Kilbury, Genevieve Ethelyn	Arkport	Sci.
Lair, Louise	Canisteo	Clas.

Langworthy, Gordon Lewis	Adams Center	Clas.
Langworthy, Sarah Dorothy	Alfred Station	*Art.
†Lanphere, Lloyd Nimrod	Ceres	Sci.
Lewis, Clara Gertrude	Alfred	Sci.
Martin, Anna Louise	Huntington, L. I.	Clas.
Maxson, Doris Rosalind	Woodcliff-on-Hudson, N. J.	Clas.
		Clas.
Mayo, Harry	Alfred	*Eng.
Mead, Mary Elizabeth	Greigsville	Clas.
Millar, Ardath May	Bloomville	*Art.
Moore, Fredora Cecile	New York City	*Art.
Near, Bernard Glenn	Thompson Falls, Mon.	Sci.
†Neuwiesinger, Catherine Marie	Califon, N. J.	*Art.
†Newton, Marion Harkness	Hamburg	*Eng.
Okean, Harry	Paterson, N. J.	*Eng.
Ormsby, Rowland Kelly	Alfred	*Eng.
†Plaisted, Marjorie	Greenwood	Sci.
Pratt, Avis Bee	Ontario	Clas.
†Preische, Walter Alfred	Yonkers	*Eng.
Sanders, George Donald	Arcade	Sci.
†Sanford, Raymond Burton	Honeoye Falls	*Eng.
Saunders, Clara Agnes	Almond	Sci.
Shepard, Helen Gertrude	Honeoye Falls	Sci.
Shults, Olin Fay	Ellicottville	*Eng.
Smith, Ralph Turner	Niagara Falls	Clas.
Spalding, Constance May	Union Hill, N. J.	Clas.
Stonham, Mabel Lena	Scio	Sci.
Teal, Edith Beatrice	Orchard Park	Clas.
Tennyson, Evelyn Alfreda	Plainfield, N. J.	*Art.
Travis, Guy D.	Dalton	Sci.
Tubbs, Amelia Margaret	Andover	*Art.
Vachuska, Edward Joseph	Cleveland, Ohio	*Eng.
†Voorhies, John Harvey	Nile	*Eng.
Vossler, Gwendolyn	Farmingdale, N. J.	*Art.
Vossler, Rhoda Elizabeth	Farmingdale, N. J.	*Art.
Wells, Mary Alberta	Friendship	Sci.
†Wemett, Correl Clifford	Honeoye Falls	*Eng.
†Conditioned		*Ceramics

SPECIALS

Name	Residence	Course
Brown, L. Cora	Concord, Mass.	Ceramics
Burt, Clifton Elsworth	Alfred	Language
Castro, Rodolfo Olivera	Santiago, Chile	Ceramics
Fox, Alice Ellen	New York City	Ceramics
Matty, Frederick Daniel	Buffalo	Ceramics
Openhym, George Joseph	New York City	Ceramics
Paschelle, Helene	Regina, Sask., Canada	Ceramics
Place, Aletha	Alfred	Language
Sheerar, Leonard	Wellsville	Ceramics
Simmons, Alma H.	New Orleans, La.	Ceramics
Stamm, Charles Levi	West Reading, Pa.	Ceramics
Stevens, Hazel Irene	Alfred	English
Tassell, Grace Lucile	White Mills	English
Wood, Angeline	Alfred	English

SUMMER SESSION, 1920

Name	Residence
Allen, Mateal	Hornell
Allen, Rosine Litchard	Hornell
Atkins, Jessie Leora	Greenwood
Atz, Samuel David	Alfred
Baird, Iva Cornell	Detroit, Mich.
Banks, Stanley Day	Horseheads
Benedict, Elizabeth Pauline	Salamanca
Berry, James A.	Brockport
Boudreau, James C.	Marlboro, Mass.
Boyd, Robert A.	Wellsville
Bozworth, Mary Delilah	Friendship
Brown, L. Cora	Concord, Mass.
Brown, Margaret Alice	Prattsburgh
Burt, Evelyn	Alfred
Canfield, Ruth Ella	Friendship
Caso, Valentino	New York City
Castro, Rodolfo (Oliveria)	Chile
Charman, Laura Brodwater	Magnolia, N. J.
Chivacheff, Louie	Cornwall-on-Hudson
Clark, Cecile	Almond
Clark, Donald Craig	Attica
Clark, Eleanor	Hornell
Compton, Max Deforest	Alfred

Copeland, Katherine Eleanor
 Cowley, Thomas Warren
 Cox, Elsie D.
 Crites, Nellie Merle
 Cummings, Gladys Pauline
 Davis, Harold Lester
 Davis, Victor Hugo
 Dean, Mary
 DeLand, Dorothy Eastman
 Dixon, Hannah May
 Dooley, Anna M.
 Duff, Louise
 Dutton, Genevieve Elizabeth
 Easton, Mildred Marie
 Easton, Alice Minerva
 Eaton, Rayonelle Kendig
 Failing, Frances Elizabeth
 Fearis, E. Elizabeth
 Felicetti, Marius Edward
 Felitti, Humbert M.
 Fenimore, Ida Estella
 Fisher, Anna M.
 Fosdick, Marion Lawrence
 Fox, Alice Ellen
 Fulton, Florence W.
 Garber, Virginia Wright
 Gardiner, Frances Adean
 Gibbs, Mrs. Mary J.
 Greene, Mary Emma
 Groves, Marion Barney
 Haines, Grace E.
 Hall, Kenneth Alexander
 Hamilton, Esther Jennette
 Hart, Jane
 Heed, Helen
 Hobe, Edith Adelaine
 Holley, Kenneth Eugene
 Holmes, Henry Maxon
 Howell, Carolin Wallace
 Ingalls, Cecile
 Jack, Marguerite
 Joyce, Anna May
 Kilmer, Elizabeth Blanche
 Law, Hollice Edna

Hornell
 Corning
 Juliustown, N. J.
 Hornell
 Limestone
 Leonardsville
 Newark
 Andover
 Fairport
 Shiloh, N. J.
 Ridgewood, N. J.
 Wilkinsburg, Pa.
 Belmont
 Belmont
 Belmont
 Alfred
 Hornell
 New York City
 New York City
 New York City
 Philadelphia, Pa.
 Ilion
 Fitchburg, Mass.
 New York City
 Bryn Mawr, Pa.
 Bryn Mawr, Pa.
 Alfred
 Cameron Mills
 Berlin
 Grand Gorge
 Worcester, Mass.
 Hornell
 Portville
 Hornell
 West Chester, Pa.
 Pittsburgh, Pa.
 Elmira
 Alfred
 Chester, Pa.
 Cuba
 Canisteo
 Andover
 Bolivar
 Ellicottville

Learn, Ella Venera
 Levin, Willy
 Lewis, Philip Wager
 Lewis, Susie A.
 Lyman, Robert Henry
 Lynn, Helen I.
 McGovern, Rose Agnes
 McIntire, H. Ruth
 McPhilly, Myrtle Frances
 Mapes, Ruey Lucile
 Miller, Josephine Ida
 Monroe, Grayden Elwood
 Moore, Henry Bradley
 Moore, Henry Hoyt
 Moore, Kathleen Hackett
 Mori, Edith T.
 Myers, Horace David
 Newton, LaVerne A.
 Norton, Gladys
 Oliver, Gertrude
 Patterson, Sylvia Laura Hamilton
 Porter, Alice Smith
 Powers, Wayland E.
 Preston, Eugenia Marjorie
 Quick, Cecile May
 Randolph, Elizabeth Fitz
 Randolph, Sarah Fitz
 Reynolds, Lelia Burwell
 Reynolds, Myrtle Marjorie
 Robinson, Grace M.
 Rumsey, Georgia Elizabeth
 Saunders, Paul Canfield
 Schenkel, Esther Lois
 Sheeche, George B.
 Simmons, Alma H.
 Smith, Harriette Elizabeth
 Smith, Marie L.
 Spencer, Lelia Marie
 Stark, Susie Belle
 Stillman, Carol Babcock
 Storms, Georgiana
 Storms, Jessie E.
 Straight, Luella Hood
 Talbot, Gerald Charles

Ischua
 New York City
 Canandaigua
 Bolivar
 Fillmore
 Hornell
 Stockbridge, Mass.
 Burlington, N. J.
 Port Leyden
 Wellsville
 Olean
 Alfred Station
 Brooklyn
 Brooklyn
 Brooklyn
 Brooklyn
 Hornell
 Hornell
 Canisteo
 Olean
 Swains
 Flemington, N. J.
 Belmont
 Canisteo
 Wellsville
 Alfred
 Great Kills
 Scotia
 Franklinville
 Bath
 Cameron Mills
 Alfred
 Niagara Falls
 Corning
 New Orleans, La.
 Attica
 Brooklyn
 Arcade
 Rome
 Alfred
 Allentown
 Allentown
 Alfred
 Canisteo

Talbot, Rena Henriettia
 Tamayo, Concepcion
 Thayer, Florence E.
 Titsworth, Ruth Katharine
 Tracy, Raymond R.
 Tucker, Iva Irene
 Vos, Marius
 Walldorff, Ethel
 Weeks, Arleta Madeline
 Wells, Gertrude Lucy
 Westfall, Esther
 Westfieldt, Martha Gasquet
 Whitcomb, Mildred
 White, Dorothy A.
 White, Margaret Caine
 Wood, Angeline
 Wood, G. Zay
 Wood, Helen L.
 Yearick, Mary G.

Canisteo
 Menzanillo, Cuba
 Worcester, Mass.
 Alfred
 Hornell
 Scio
 New York City
 Belmont
 Hornell
 Friendship
 Palmyra
 New Orleans, La.
 Andover
 Hornell
 Belmont
 Alfred
 Shanghai, China
 Cuba
 Philadelphia, Pa.

SUMMARY OF STUDENTS BY CLASSES

Graduates	1
Seniors	37
Juniors	28
Sophomores	51
Freshmen	77
Specials	14
Total Registration in College...	208
Summer Session, 1920.....	130
	338
Less Duplicates	13
Total Registration	325

Gifts and Bequests

Colleges, the most fundamental and usually the most stable of modern institutions, are now in dire distress because of post war conditions. High costs and necessarily increased salaries enlarge operating expenses. Income from fixed endowments, frequently reduced by lower rates of interest, have now one-half their former purchasing power.

To meet this emergency and to provide for future growth and development, Alfred's trustees have adopted a forward looking million dollar program. It is proposed immediately to raise three hundred thousand dollars (\$300,000) of endowment to cover costs of increased salaries and other enlarged operating expenses, and to provide retiring allowances for members of the teaching staff under the provision of the Carnegie foundation.

To provide for the endowment of five professorships not now endowed, for a library fund, new scholarships and general purpose endowment, and to add four new buildings, seven hundred thousand dollars (\$700,000) will be needed within the next five or ten years. These objects together constitute

Alfred's Million Dollar Program

The following are the sums for which subscriptions are now being made to Alfred University:

Endowment for increased salaries and retiring allowance	\$300,000
Endowment for the President's Chair.....	75,000
Endowment for four professorships now without endowment:	
English	\$50,000
Romance Languages	50,000
Chemistry	50,000
Biology	50,000—
Endowment for Library Fund (purchase of books)....	50,000
Endowment for general purposes.....	50,000
Building and equipment:	
Heating and lighting plant.....	50,000
Gymnasium	50,000
Science Laboratory.....	100,000
Auditorium	100,000
Miscellaneous, improvement, and equipment..	25,000
Total	<u>\$1,000,000</u>

For further particulars, address

BOOTHE C. DAVIS, President,

Alfred, N. Y.

Forms for Bequests

1. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars, to be safely invested, and called "The _____ General Endowment Fund;" the net income only to be used for the general expenses of the University.

2. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Fifty thousand dollars, to be safely invested, and called "The _____ Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

3. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ thousand dollars, to be safely invested, and called "The _____ Scholarship;" the net income only to be used for the payment of the term bill of some worthy and needy student, the surplus income, if any, to be at the disposal of the University.

4. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred New York, the sum of _____ dollars, the income to be expended in the purchase of books for the Library.

5. I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of _____ dollars to be used for the construction, equipment and endowment of a _____ building.

The Alumni Association

The membership of this Association includes graduates and former students, members of the faculty and those who have received honorary degrees from the university. By recent action of the Association the members are classified in two groups, Regular members and Sustaining members. The Regular members pay an annual membership fee of one dollar, and the Sustaining members, an annual membership fee of five dollars.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their alma mater, as well as to promote the general welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the university, giving it the name of the KENYON-ALLEN ENDOWMENT FUND. This fund now amounts to twelve thousand dollars. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. Four-fifths of the five dollar fee paid by Sustaining members is turned over to this fund. The income of this fund is used to assist in the payment of the salary of the President of the university.

The Association frequently provides courses of lectures given by its own members for the benefit of the university.

The Association is represented on the board of trustees of the university by nine trustees, three of whom are elected each year for a term of three years.

The annual meeting of this Association is held on Wednesday of commencement week.

The Alumni Association of Alfred University

BOARD OF DIRECTORS

Supt.	Holly W. Maxson, A. B., '97, President	West N. Y., N. J.
Prof.	Alpheus B. Kenyon, Sc. D., '74, Vice Pres.	Alfred
Prof.	William C. Whitford, A. M., D. D., Secretary	Alfred
Prof.	J. Nelson Norwood, A. M., Ph. D., '06, Treas.	Alfred
	Orra S. Rogers, S. B., '94	Plainfield, N. J.
Mrs.	Frederic P. Schoonmaker, '88	Bradford, Pa.
Hon.	Leonard W. H. Gibbs, Ph. B., '98	Buffalo
Prof.	James D. Bennehoff, S. M., '02	Alfred
Prof.	Fred C. White, A. M., '95	New York
	Judson G. Rosebush, A. M., '00	Appleton, Wis.
	John A. Lapp, LL. D., '06	Chicago, Ill.
	Harry W. Prentice, A. B., D. D. S., '98	New York
	William M. Dunn, S. B., '07	LeRoy

EXECUTIVE COMMITTEE

Frank L. Greene, J. D. Bennehoff, and the Officers *ex-officio*

ENDOWMENT FUND COMMITTEE

Orra S. Rogers, and the Officers *ex-officio*

LECTURE COMMITTEE

Corliss F. Randolph, Boothe C. Davis, Asa F. Randolph

MEMBERSHIP COMMITTEE

L. W. H. Gibbs, Winfred L. Potter, Fred C. White

STATISTICAL SECRETARY

Ruth L. Phillips

LIBRARY DIRECTOR

Herbert G. Whipple

THE ALFRED ALUMNI ASSOCIATION OF NEW YORK CITY
Principal Harry W. Langworthy, Ph. B., '07, Spring Valley, N. Y.,
President
Royal L. Cottrell, A. B., '93, 209 Greene Ave., Brooklyn, N. Y.,
Secretary

THE ALFRED ALUMNI ASSOCIATION OF SYRACUSE
Winfred Potter, Ph. B., M. D., '00, 1603 S. Salina St., Syracuse, N. Y.,
President
Seymour B. Everts, A. B., '03, 940 Ackerman Ave., Syracuse, N. Y.,
Secretary

THE ALFRED ALUMNI ASSOCIATION OF BUFFALO
Elmer S. Pierce, S. B., '08, 54 Durham Ave., Buffalo, N. Y.,
President
Ednah Horton Willett, ex-'18, 167 Congress St., Buffalo, N. Y.,
Secretary

THE ALFRED ALUMNI ASSOCIATION OF CHICAGO
John A. Lapp, Ph. B., LL. D., '06, 22 East Ontario St.,
c/o "Modern Medicine," Chicago, Ill., President
Helen A. Titsworth, Ph. B., '06, 6121 Greenwood Ave., Chicago, Ill.
Secretary

THE TWENTIETH CENTURY CLUB OF ALFRED UNIVERSITY
Archie E. Champlin, Ph. B., '08, Alfred, N. Y., President
Norah W. Binns, Ph. B., '12, Alfred, N. Y., Secretary-Treasurer

Prizes and Medals

The Dr. Thomas World's Peace Prize Contest

Mrs. Vandelia Varnum Thomas, an alumna of Alfred University, has established in memory of her late husband an annual prize speaking contest to be known as The Dr. Thomas World's Peace Prize Contest. The first prize is \$50, the second \$25.

Rules Governing The Dr. Thomas World's Peace Prize Contest:

1. Open to Sophomores and Juniors (both sexes).
2. Oration not over fifteen minutes, better twelve, upon some subject related to the promotion and furtherance of peace.
3. First Test—leaving only six contestants.
Judges—President and four teachers chosen by himself, two of whom shall be women. This test is to be a private contest.
4. Final test in a public meeting known as the "World's Peace Prize Contest."
5. Three judges, one from another town, one shall be a woman.
6. These six contestants are pledged to have their papers published in some paper or magazine. As many more from the primary contestants' orations as are deemed worthy by the primary judges may be published.

Parts to be marked:

- | | |
|------------------------------|---------------|
| (1) Content..... | 50 per cent |
| (2) Literary value..... | 25 per cent |
| (3) Oratory—Enunciation..... | 10 |
| Grace or Poise..... | 10 |
| Effectiveness or | |
| Power to Move an | |
| Audience..... | 5—25 per cent |

The preliminary contest will occur February 28, and the final, April 7,

The Tomlinson Medal

The Tomlinson medal for proficiency in Classical Philology was established in June, 1912, by Dr. Corliss Fitz Randolph of Newark, New Jersey, an alumnus and trustee of Alfred University, as a tribute to the memory of Edward Mulford Tomlinson, for many years William B. Maxson professor of the Greek Language and Literature at Alfred.

The general conditions for the award of this medal are as follows :

"All candidates for the medal shall have passed satisfactorily the usual entrance requirements in Latin and Greek (for the classical course), and, following that, shall have pursued the study of these subjects continuously throughout the entire four years of their college course."

The detailed requirements may be had by applying to the head of the department of classical languages.

Ceramic and Chemistry Medal

A medal will be awarded to that member of the Junior class who, during his Sophomore and Junior years, has made the highest average in all his subjects. Application for this medal must be made in writing to the Registrar before the end of the first term of his Junior year. The competition is open to those majoring in chemistry or ceramic engineering.

The Twentieth Century Club Cup

The Twentieth Century Club Cup is given by the Twentieth Century Club to the one of the two lower classes, Freshman or Sophomore, having the highest scholastic average.

University Loan Fund

The UNIVERSITY LOAN FUND was established in 1915 for the purpose of helping students who do not need gifts, but do need credit. This fund was founded with the idea that it should be a self-supporting benevolence. About half of the contributors so far have given their money outright and the other half have simply advanced certain sums with the understanding that they are to receive a moderate rate of interest and that the principal shall be returned if they should ever require it.

The managing committee in making a loan considers not only the needs of the student but his scholarship, and requires appropriate security for repayment.

Loans have been made in sums varying from ten dollars to one hundred dollars and for terms ranging from a few days to two years. The rate of interest upon the loans is six percent.

So far the Fund has paid an income at the rate of four percent per annum to the contributors accepting an income and probably will continue to pay at this rate. Here is an opportunity to invest money at a rate equal to that of a savings bank, and at the same time have it helping a worthy student. This is a self-supporting benevolence.

For further information in regard to this Fund and its administration see Library Bulletin No. 8 "Borrowing Money," which may be had upon application.

WILLIAM C. WHITFORD, Chairman.

Summer School

The eighth session of the summer school at Alfred University will be held July 5 to August 19, 1921. Courses are to be given in methods of teaching in high school, in grammar grades, in rural schools, problems of the secondary school for principals and others interested, and subject matter courses in the following: biology, domestic science, drawing and design (public school), English (literature and composition), Greek literature in English translations, history, Latin, mathematics, modern languages (French, German, and Spanish) physical training, physics and pottery.

The summer session offers opportunity for those not quite prepared for college to make up their conditions before entering the Freshman class next September.

Special courses for rural and graded school teachers and teachers of physical training.

For catalogue and further information, address,

PAUL E. TITSWORTH, Ph. D.,
Director Summer School at Alfred University.

New York State School of Clay-Working and Ceramics

This school was established at Alfred University, by chapter 383, laws of the state of New York, 1900. The buildings are adjacent to the college campus. While a state institution, it is administered by the trustees of Alfred University. Its students profit by courses of study in the college classes and laboratories and by the university library.

The school is fully equipped with machinery and kilns for carrying out all descriptions of clay work. The art studio is provided with every facility for the study of free-hand and mechanical drawing, composition, and applied design. Tuition is free to residents of New York State.

Two courses are offered, each of four years' duration. The requirements for entrance are the same as to the college courses. The work in Ceramic Engineering comprises in addition to the usual subjects in science, the technology of clay working industries. The degree of Bachelor of Science in Ceramic Engineering is granted.

The course in Applied Art includes, besides certain college subjects, design, drawing, modeling and pottery production. The degree of Bachelor of Science in Applied Art is granted.

A catalogue will be mailed upon application.

CHARLES F. BINNS, Director,
Alfred, N. Y.

New York State School of Agriculture

On May 6, 1908, Governor Hughes signed the bill that provided for the establishment of a State School of Agriculture at Alfred University.

The School is governed by a board of managers appointed by the Alfred University Trustees. The Commissioner of Education, the Commissioner of Agriculture, the Director of the State College of Agriculture, and a representative of the State Grange are ex-officio members of the board of managers.

The grounds upon which the administration buildings of the school are built join the college campus. Students, who are properly qualified, may take part work in the agricultural school and in the high school or in the college under university regulations. The association of school students with the other Alfred students will promote breadth of view and wholesome school life.

The regular course of study consists of carefully outlined courses in the main branches of agriculture, namely: animal husbandry, dairy industry, farm crops, farm management, wood and forge work, and home economics. Well equipped laboratories, a specially selected faculty, a 230-acre modernly managed farm, an excellent herd of dairy cattle, and typical representatives of some of the principal breeds of horses, sheep, swine and poultry are available for class use.

Any student who is of good character, sixteen years old or more and has completed the work of the common school or its equivalent, is eligible for admission. To all students of the state of New York tuition is free.

Persons wishing further information may receive upon request a catalogue and circular describing the work of the school in detail. Apply to,

A. E. CHAMPLIN, Acting Director,
Alfred, N. Y.

THE EIGHTY-FIFTH COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, nineteen hundred and twenty-one. The exercises begin Saturday morning, June 11, and close Wednesday evening, June 15.

All former students of the university, whether graduates or not, and all other friends of the institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who changes his residence, will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased alumni, or any information that may help to make or keep the directory of the alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the university library.

On application to the Registrar the catalogue will be sent to young men and young women preparing for college or contemplating higher education.

Letters of inquiry may be addressed to The President of Alfred University, Alfred, N. Y.

Index

Absences	20	Kanakadea Hall.....	16
Admission	24	Kenyon Memorial Hall...	12
On Certificate.....	26	Ladies Hall.....15,	18
On Examination.....	26	Latin	51
Advanced Standing.....	26	Library	12
Agriculture	32, 94	Library Directors	6
Allen Steinheim Museum	13	Library Economy	52
Alumni Association.....	86	Location	11
Alumni Hall	16	Loans	91
Art	33	Machine Shop	15
Astronomy	33	Majors and Minors.....	28
Athletic Association....	18	Manual Training	50
Athletic Field	16	Master's Degree	29
Athletics	18, 59	Material Equipment	12
Babcock Hall	13	Mathematics	52
Bachelor's Degree	29	Medals	89
Bequests	84	Museum	13
Biblical Languages	34	Music Department.....	65
Biological Laboratory ...	13	Officers of Instruction...	7
Biology	36	Officers of Administration	9
Buildings	12	Philosophy	56
Burdick Hall	16, 18	Physical Laboratories....	14
Calendar	2	Physical Training.....18	59
Campus	12	Physics	60
Carpenter Shop	15	Political Science	47
Chemical Laboratories...	13	Pre-Dental Course	23
Chemistry	39	Pre-Medical Course	23
Christian Associations..17,	19	Prizes	89
Class Exercises	19	Psychology	57
Courses of Study.....	27	Public Speaking	61
Conditioned Students....	26	Reading Room	13
Degrees	29	Register of Students....	75
Degrees Conferred	73	Registration	20
Departments of Instruction	32	Regulations	17
Domestic Science	33	Religious Education	61
Drafting	48	Religious Life	17
Economics	47	Residence Halls	18
Education	54	Required Studies	27
Elective Studies	27	Rogers Observatory	15
English	40	Romance Languages	62
Entrance Requirements ..	24	Rooms and Board.....	22
Ethics	43	Social Life	17
Examinations	20	Sociology	58
Excuses	20	Spanish	63
Estimate of Expenses....	22	Special Students	22
Faculty	7	State School of Agriculture	94
Fees	21	State School of Ceramics.	93
Forms for Bequests.....	85	Stenography	64
French	62	Student Assistants.....	9
General Information	11	Student Organizations ...	18
Geology	38	Student Senate	19
German	43	Summer School	92
Gifts	84	Terms	19
Glee Club	70	Thesis	29
Greek	44	Trustees	4
Groups	28	Trustees Committees....	5
Gymnasium	16	Tuition	21
Heating Plant	16	Typewriting	64
History	45	Unit of Credit.....	20
Honors	30, 74	University Loan Fund...	91
Industrial Mechanics....14,	48	Vacations	19
Interscholastic Meet	19	Wood-Working	48

UNIVERSITY OF ILLINOIS-URBANA



3 0112 110871776